



George Stratton

George Stratton

1260 260 260
295 295 302
~~295~~ 295 ~~302~~

180 850 4860
870 850 192

190

190 .59

4 1/2

190 90 55

7650

1400

OTTO H. J.

4 1/2

14.00

4

3800

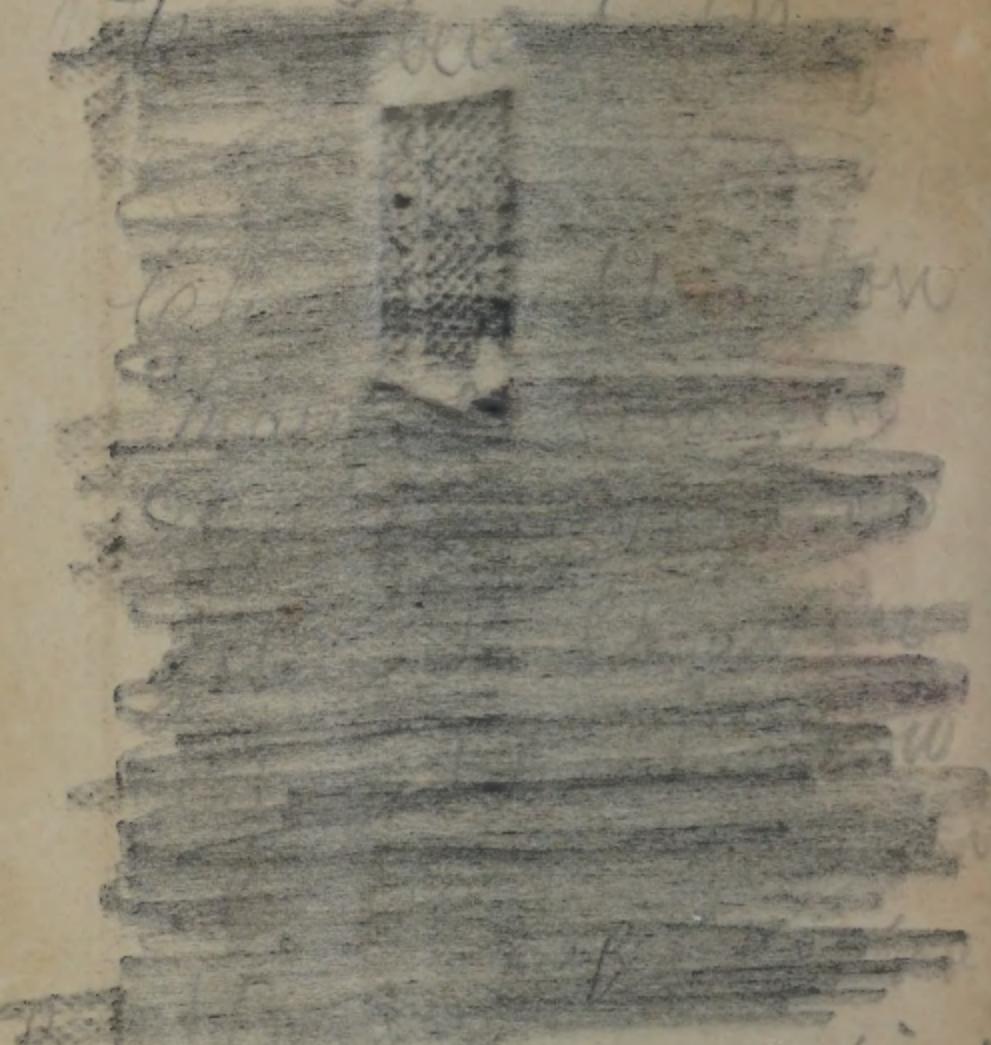
725

125

Edgar C. Blatt
st. 25

28.8 4 - 90

May 26 - 1894



We made our first port 96 miles west.
We made our second port.

We made our third port.

THE STANDARD

DIARY



* PUBLISHED *
FOR THE TRADE

We were out 184 days

Nov 1 - 1894

We were out 214 days
out Dec. 1 - 1894

We were out 245
days Jan 1 - 1895

We were out 276
days Feb. 1 - 1895

We were out 304
days March 1 - 1895

We were out 424
days Aug 1 - 1895

We were out 455
days Sept 1 - 1895

CALENDAR.

1894.

| JUNE. | MAY. | APRIL. | MAR. | FEB. | JAN. | SUN. | MON. | TUES. | WED. | THUR. | FRI. | SAT. | SUN. | MON. | TUES. | WED. | THUR. | FRI. | SAT. |
|-------|------|--------|------|------|------|------|------|-------|------|-------|------|------|------|------|-------|------|-------|------|------|
| | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | | | | | | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | | | | | | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | |
| | | | | | | 28 | 29 | 30 | 31 | | | | 29 | 30 | 31 | | | | |
| | | | | | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | | | | | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | | | | | | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | | | | | | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 26 | 27 | 28 | 29 | 30 | 31 | |
| | | | | | | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | | | | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| | | | | | | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | | | | | | 26 | 27 | 28 | 29 | 30 | 31 | | 26 | 27 | 28 | 29 | 30 | 31 | |
| | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | | | | | | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| | | | | | | 29 | 30 | * | .. | .. | .. | .. | 28 | 29 | 30 | 31 | .. | .. | .. |
| | | | | | | .. | .. | * | 2 | 3 | 4 | 5 | .. | .. | .. | .. | 1 | 2 | 3 |
| | | | | | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | 13 | 14 | * | 16 | 17 | 18 | 19 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | | | | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | | | | | | 27 | 28 | 29 | 30 | 31 | .. | .. | 25 | 26 | 27 | 28 | 29 | 30 | .. |
| | | | | | | .. | .. | .. | .. | 1 | 2 | * | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | 3 | 4 | 5 | 6 | 7 | 8 | * | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| | | | | | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |

Walter S. Simon

WEIGHTS AND MEASURES.

MEASURE OF LENGTH.

| | | | |
|------|--------------------|--------|----------------------|
| 4 | In. make 1 Hand. | 3 | Feet make 1 Yard. |
| 7.92 | In. " 1 Link. | 5½ | Yds. " 1 Rod or Pole |
| 18 | In. " 1 Cubit, | 40 | Poies " 1 Furlong. |
| 12 | In. " 1 Foot. | .8 | Fur. " 1 Mile. |
| 6 | Ft. " 1 Fathom. | 69 1-6 | Miles make 1 Degree. |
| 60 | Geographical Miles | make 1 | Degree. |
| | 1760 Yards | } = 1 | Mile. |
| | 5280 Feet | | |

MEASURE OF SURFACE.

| | |
|----------------|--------------------------------------|
| 144 | Square Inches make 1 Square Foot. |
| 9 | Square Feet " 1 Square Yard. |
| 30½ | Square Yards " 1 Rod, Perch or Pole. |
| 40 | Square Rods " 1 Square Rood. |
| 4 | Square Rods " 1 Square Acre. |
| 10 | Square Chains " 1 Square Acre. |
| 640 | Square Acres " 1 Square Mile. |
| Gunter's Chain | equal to 22 Yards or 100 Links. |
| 272½ | Square Feet make 1 Square Rod. |
| 43,560 | Square Feet " 1 Acre. |

MEASURE OF SOLIDITY.

| | |
|------|---------------------------------|
| 1728 | Cubic Inches make 1 Cubic Foot. |
| 27 | Cubic Feet " 1 Cubic Yard. |

AVOIRDUPOIS WEIGHT.

| | | | |
|------|------------------------------------|------|---------|
| 27½ | Grains make 1 Drachm (dr.) or | 27½ | Grains. |
| 16 | Drachms " 1 Ounce (oz.) or | 437½ | " |
| 16 | Ounces " 1 Pound (lb.) or | 7000 | " |
| 28 | Pounds " 1 Quarter (qr.) | | |
| 4 | Quarters " 1 Hundred-Weight (cwt.) | | |
| 20 | Cwts. " 1 Ton. | | |
| 2240 | Pounds " 1 Ton. | | |

TROY WEIGHT.

| | | | |
|----|-------------------------------|------|---------|
| 24 | Grains make 1 Pennyweight, or | 24 | Grains. |
| 20 | Pennywts. " 1 Ounce, or | 480 | " |
| 12 | Ounces " 1 Pound, or | 5760 | " |

APOTHECARIES' WEIGHT.

| | | | |
|----|------------------------|----|-----------------------|
| 20 | Grains make 1 Scruple. | 8 | Drachms make 1 Ounce. |
| 3 | Scruples " 1 Drachm. | 12 | Ounces " 1 Pound. |

WEIGHT PER BUSHEL OF GRAIN, ETC.

The following Table shows the number of pounds per bushel required, by law or custom, in the sale of articles specified, in the several States of the Union.

| STATES. | | Barley. | Buckwheat. | Coal. | Corn, sheld. | Corn Meal. | Onions. | Oats. | Potatoes. | Rye. | Wheat. | Salt. | Turnips. | Beans, wh. | Clover S'd. | Timothy. |
|--------------------|----|---------|------------|-------|--------------|------------|---------|-------|-----------|------|--------|-------|----------|------------|-------------|----------|
| Maine | 48 | 48 | | | 56 | | | 30 | 60 | | 60 | | 50 | 64 | | |
| N. Hampshire. | .. | .. | .. | 56 | 50 | .. | 30 | 60 | 56 | 60 | .. | .. | 60 | .. | .. | .. |
| Vermont | 48 | 48 | .. | .. | .. | .. | 32 | 60 | 56 | 60 | 70 | .. | 64 | 60 | 42 | .. |
| Massachusetts, | 48 | 48 | .. | 56 | 50 | 52 | 32 | 60 | 56 | 60 | .. | .. | .. | .. | .. | .. |
| Connecticut | .. | 45 | .. | 56 | .. | .. | 32 | 60 | 56 | 56 | .. | .. | .. | .. | .. | .. |
| New York | 48 | 48 | .. | 58 | .. | .. | 32 | 60 | 56 | 60 | .. | .. | 62 | 60 | 44 | .. |
| New Jersey | 48 | 50 | .. | 56 | .. | .. | 30 | 60 | 56 | 60 | .. | .. | .. | 64 | .. | .. |
| Pennsylvania | 47 | 48 | .. | 56 | .. | .. | 30 | 56 | 56 | 60 | 85 | .. | .. | 62 | .. | .. |
| Delaware | .. | .. | .. | 56 | .. | .. | .. | .. | .. | 60 | .. | .. | .. | .. | .. | .. |
| Maryland | 48 | 48 | .. | 56 | .. | 57 | 32 | 60 | 56 | 60 | 56 | .. | 62 | 64 | 45 | .. |
| Dist. Columbia | 47 | 48 | .. | 56 | 48 | 57 | 32 | 56 | 56 | 60 | 50 | 55 | 62 | 60 | 45 | .. |
| Virginia | 48 | 48 | .. | 56 | 50 | .. | 32 | 60 | 56 | 60 | .. | 56 | 60 | 64 | 45 | .. |
| West Virginia. | 48 | 52 | 80 | 56 | 48 | .. | 32 | 60 | 56 | 60 | .. | 60 | 60 | 60 | 60 | 45 |
| North Carolina | 48 | 50 | .. | 54 | 46 | .. | 30 | .. | 56 | 60 | .. | .. | .. | 64 | .. | .. |
| South Carolina | 48 | 56 | 80 | 56 | 50 | 57 | 33 | 60 | 56 | 60 | 50 | .. | 60 | 60 | .. | .. |
| Georgia | 40 | .. | 80 | 56 | 48 | 57 | 35 | 56 | .. | 60 | 56 | .. | .. | 60 | 45 | .. |
| Louisiana | 32 | .. | .. | 56 | .. | .. | 32 | .. | .. | 60 | .. | .. | .. | .. | .. | .. |
| Arkansas | 48 | 52 | 80 | 56 | 50 | 57 | 32 | 60 | 56 | 60 | 50 | .. | 60 | 60 | 45 | .. |
| Tennessee | 48 | 50 | .. | 56 | 50 | 56 | 32 | 60 | 56 | 60 | .. | .. | 60 | .. | 45 | .. |
| Kentucky | 48 | 52 | .. | 56 | 50 | 57 | 33 | 56 | 56 | 60 | 50 | .. | 60 | 60 | 45 | .. |
| Ohio | 48 | 50 | .. | 56 | .. | .. | 32 | 60 | 56 | 60 | .. | .. | 60 | 60 | 45 | .. |
| Michigan | 48 | 48 | 80 | 56 | .. | 54 | 32 | 60 | 56 | 60 | 56 | 58 | 60 | 60 | 45 | .. |
| Indiana | 48 | 50 | 70 | 56 | 50 | 48 | 32 | 60 | 56 | 60 | 50 | .. | 60 | 60 | .. | .. |
| Illinois | 48 | 52 | .. | 56 | 48 | 57 | 32 | 60 | 56 | 60 | 50 | .. | 60 | 60 | .. | .. |
| Wisconsin | 48 | 50 | .. | 56 | .. | .. | 32 | 60 | 56 | 60 | .. | .. | .. | 60 | .. | .. |
| Minnesota | 48 | 42 | .. | 56 | .. | .. | 32 | 60 | 56 | 60 | .. | .. | .. | 60 | .. | .. |
| Iowa | 48 | 52 | .. | 56 | .. | 57 | 33 | 60 | 56 | 60 | 50 | .. | 60 | 60 | 45 | .. |
| Missouri | 48 | 52 | .. | 56 | .. | 57 | 32 | 60 | 56 | 60 | 50 | .. | 60 | 60 | 45 | .. |
| Kansas | 50 | 50 | .. | 56 | 50 | 57 | 32 | 60 | 56 | 60 | 50 | 55 | 60 | .. | 45 | .. |
| Nebraska | 48 | 52 | .. | 56 | 50 | 57 | 34 | 60 | 56 | 60 | 50 | 55 | 60 | 60 | 45 | .. |
| California | 50 | 40 | .. | 52 | .. | .. | 32 | .. | 54 | 60 | .. | .. | .. | .. | .. | .. |
| Oregon | 46 | 42 | .. | 56 | .. | .. | 36 | 60 | 56 | 60 | .. | .. | .. | 60 | .. | .. |

INTEREST TABLE.

FOUR PER CENT.

| TIME. | \$1 | \$2 | \$3 | \$4 | \$5 | \$6 | \$7 | \$8 | \$9 | \$10 | \$100 | \$1000 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|
| 1 Dy. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3½ | 33 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5½ | 56 |
| 10 " | 0 | 0 | 0 | ½ | ½ | ½ | 1 | 1 | 1 | 1 | 11 | 111 |
| 1 Mo. | 0 | ½ | 1 | 1½ | 1½ | 2 | 2½ | 2½ | 3 | 3½ | 33 | 333 |
| 2 " | ½ | 1½ | 2 | 2½ | 3½ | 4 | 4½ | 5½ | 6 | 6½ | 67 | 667 |
| 3 " | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 100 | 1000 |
| 4 " | 1½ | 2½ | 4 | 5½ | 6½ | 8 | 9½ | 10½ | 12 | 13½ | 133 | 1333 |
| 6 " | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 200 | 2000 |
| 9 " | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 300 | 3000 |
| 1 Yr. | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 400 | 4000 |

FIVE PER CENT.

| TIME. | \$1 | \$2 | \$3 | \$4 | \$5 | \$6 | \$7 | \$8 | \$9 | \$10 | \$100 | \$1000 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|
| 1 Dy. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 42 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 7 | 69 |
| 10 " | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1½ | 14 | 139 |
| 1 Mo. | ½ | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 42 | 417 |
| 2 " | 1 | 1½ | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 83 | 833 |
| 3 " | 1 | 2½ | 4 | 5 | 6 | 8 | 9 | 10 | 11 | 13 | 125 | 1250 |
| 4 " | 1½ | 3 | 5 | 7 | 8 | 10 | 12 | 13 | 15 | 17 | 167 | 1667 |
| 6 " | 2½ | 5 | 8 | 10 | 13 | 15 | 18 | 20 | 23 | 25 | 250 | 2500 |
| 9 " | 3½ | 7½ | 11 | 15 | 19 | 23 | 26 | 30 | 34 | 38 | 375 | 3750 |
| 1 Yr. | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 500 | 5000 |

SIX PER CENT.

| TIME. | \$1 | \$2 | \$3 | \$4 | \$5 | \$6 | \$7 | \$8 | \$9 | \$10 | \$100 | \$1000 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|
| 1 Dy. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 50 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 8 | 83 |
| 10 " | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 17 | 167 |
| 1 Mo. | ½ | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 50 | 500 |
| 2 " | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 100 | 1000 |
| 3 " | 1½ | 3 | 5 | 6 | 8 | 9 | 11 | 12 | 14 | 15 | 150 | 1500 |
| 4 " | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 200 | 2000 |
| 6 " | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 300 | 3000 |
| 9 " | 4½ | 9 | 14 | 18 | 23 | 27 | 32 | 36 | 41 | 45 | 450 | 4500 |
| 1 Yr. | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 600 | 6000 |

INTEREST LAWS OF ALL THE STATES.

| STATES AND TERRITORIES. | PENALTY OF USURY. | Legal. | Special. |
|-------------------------|--------------------------------------|--------|------------|
| Alabama | Loss of interest | 8 | ..... |
| Alaska..... | Forfeiture of debt..... | 8 | 10 per et. |
| Arizona | No Penalty..... | 7 | No limit. |
| Arkansas..... | Forfeiture of principal & interest. | 6 | 10 per et. |
| California | No penalty | 7 | No limit. |
| Colorado | No penalty | 8 | No limit. |
| Connecticut..... | No penalty | 6 | 6 per et. |
| Dakota | Forfeiture of contract | 7 | 12 per et. |
| Delaware..... | Forfeiture of contract | 6 | 6 per et. |
| District of Col. | Forfeiture of all interest. | 6 | 10 per et. |
| Florida | No penalty | 8 | No limit. |
| Georgia | Forfeiture of excess | 7 | 8 per et. |
| Idaho..... | Forf'ture of 3 times excess of int. | 10 | 18 per et. |
| Illinois | Forfeiture of all interest. | 5 | 7 per et. |
| Indiana | Forfeiture of int. over 6 per cent. | 6 | 8 per et. |
| Iowa..... | Forfeiture of interest and costs.. | 6 | 8 per et. |
| Kansas..... | Forfeiture of excess over 10 per et. | 6 | 10 per et. |
| Kentucky | Forfeiture of excess | 6 | 6 per et. |
| Louisiana | Forfeiture of interest | 5 | 8 per et. |
| Maine | No penalty | 6 | No limit. |
| Maryland | Forfeiture of excess | 6 | 6 per et. |
| Massachusetts | No penalty —6 per et. on judg'ts. | 6 | No limit. |
| Michigan | Forfeiture of excess | 6 | 8 per et. |
| Minnesota | Forfeiture of contract | 7 | 10 per et. |
| Mississippi | Forfeiture of all interest. | 6 | 10 per et. |
| Missouri | Forfeiture of all interest | 6 | 8 per et. |
| Montana | No penalty | 7 | No limit. |
| Nebraska..... | Forfeiture of all interest & costs. | 7 | 10 per et. |
| Nevada..... | No penalty | 7 | No limit. |
| New Hampshire | Forfeiture of 3 times excess of int. | 6 | 6 per et. |
| New Jersey | Forfeiture of all interest..... | 6 | 6 per et. |
| New Mexico | No penalty | 6 | 12 per et. |
| New York..... | Forfeiture of contract.* | 6 | 6 per et. |
| North Carolina | Forfeiture of double am't of int | 6 | 8 per et. |
| Ohio | Forfeiture of excess. | 6 | 8 per et. |
| Oregon | Forfeiture of prin., int. & costs.. | 8 | 10 per et. |
| Pennsylvania | Forfeiture of excess, Act of 1858. | 6 | 6 per et. |
| Rhode Island | Forfeiture, unless by contract.† | 6 | No limit. |
| South Carolina | Forfeiture of interest | 7 | 8 per et. |
| Tennessee | Forfeiture of over 6 per cent.... | 6 | 6 per et. |
| Texas | Forfeiture of interest..... | 6 | 10 per et. |
| Utah | No penalty | 8 | No limit. |
| Vermont | Forfeiture of excess | 6 | 6 per et. |
| Virginia..... | Forfeiture of excess | 6 | 6 per et. |
| Washington | No penalty | 10 | No limit. |
| West Virginia | Forfeiture of excess | 6 | 10 per et. |
| Wisconsin | Forfeiture of all interest | 7 | 10 per et. |
| Wyoming | No penalty | 12 | No limit. |

* Also punishable as a misdemeanor. Banks forfeit interest only, or double the interest if charged in advance.

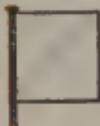
† Also 6 per cent. on judgments.

NEW WEATHER SIGNALS.

[Adopted for general use by the United States Signal Service on and after March 1, 1887.]

INTERPRETATION OF SIGNALS.

| | | | |
|-------------|------------|------------------------|-----------------------------|
| No. 1. | No. 2. | No. 3. | No. 4. |
| White Flag. | Blue Flag. | Black Triangular Flag. | White Flag, Black Center |



Clear or Fair. Rain or Snow. Temperature. Cold Wave.

No. 1, white flag, clear or fair weather, no rain. Number 2, blue flag, rain or snow. Number 3, black triangular flag, refers to temperature, and above numbers 1 or 2, indicates warmer weather; below numbers 1 or 2, colder weather, and when not displayed, stationary weather. Number 4, white flag with black center (cold-wave flag) sudden fall in temperature; this signal is usually ordered at least twenty-four hours in advance of the cold wave. It is not displayed unless a temperature of forty-five degrees, or less, is expected, nor is flag number 3 ever displayed with it.

DISPLAY EXAMPLES.



Fair Weather,
Colder.



Warmer,
Rain or Snow..



Warmer,
Fair Weather,



Cold Wave

Followed by Rain or Snow.

RATE OF INCOME ON STOCKS.

Purchased at the following prices, (par value being \$100),
and bearing interest at the following rates.

| Paid. | 3% | 4% | 5% | 6% | 7% | 8% | 9% |
|-------|------|------|-------|-------|-------|-------|-------|
| \$50 | 6 00 | 8 00 | 10 00 | 12 00 | 14 00 | 16 00 | 18 00 |
| 55 | 5 45 | 7 27 | 9 09 | 10 90 | 12 72 | 14 55 | 16 36 |
| 60 | 5 00 | 6 67 | 8 33 | 10 00 | 11 66 | 13 33 | 15 00 |
| 65 | 4 62 | 6 15 | 7 69 | 9 23 | 10 76 | 12 30 | 13 85 |
| 70 | 4 28 | 5 71 | 7 14 | 8 57 | 10 00 | 11 42 | 12 85 |
| 75 | 4 00 | 5 33 | 6 66 | 8 00 | 9 33 | 10 66 | 12 00 |
| 80 | 3 75 | 5 00 | 6 25 | 7 50 | 8 75 | 10 00 | 11 25 |
| 85 | 3 53 | 4 70 | 5 88 | 7 05 | 8 23 | 9 41 | 10 58 |
| 90 | 3 33 | 4 44 | 5 55 | 6 66 | 7 77 | 8 88 | 10 00 |
| 91 | 3 30 | 4 40 | 5 49 | 6 59 | 7 69 | 8 79 | 9 89 |
| 92 | 3 26 | 4 34 | 5 43 | 6 52 | 7 60 | 8 70 | 9 78 |
| 93 | 3 23 | 4 30 | 5 38 | 6 45 | 7 53 | 8 60 | 9 68 |
| 94 | 3 19 | 4 26 | 5 32 | 6 38 | 7 45 | 8 51 | 9 57 |
| 95 | 3 15 | 4 21 | 5 26 | 6 31 | 7 36 | 8 42 | 9 47 |
| 96 | 3 13 | 4 17 | 5 21 | 6 25 | 7 29 | 8 33 | 9 38 |
| 97 | 3 09 | 4 12 | 5 15 | 6 18 | 7 22 | 8 25 | 9 28 |
| 98 | 3 06 | 4 08 | 5 10 | 6 12 | 7 14 | 8 16 | 9 18 |
| 99 | 3 03 | 4 04 | 5 05 | 6 06 | 7 07 | 8 08 | 9 09 |
| 101 | 2 97 | 3 96 | 4 95 | 5 94 | 6 93 | 7 92 | 8 91 |
| 102 | 2 94 | 3 92 | 4 90 | 5 88 | 6 86 | 7 84 | 8 82 |
| 103 | 2 91 | 3 88 | 4 85 | 5 83 | 6 80 | 7 77 | 8 74 |
| 104 | 2 88 | 3 85 | 4 81 | 5 77 | 6 73 | 7 69 | 8 65 |
| 105 | 2 86 | 3 80 | 4 76 | 5 71 | 6 66 | 7 61 | 8 57 |
| 106 | 2 83 | 3 77 | 4 72 | 5 66 | 6 60 | 7 55 | 8 49 |
| 107 | 2 80 | 3 74 | 4 67 | 5 61 | 6 54 | 7 48 | 8 41 |
| 108 | 2 78 | 3 70 | 4 63 | 5 56 | 6 48 | 7 41 | 8 33 |
| 109 | 2 75 | 3 67 | 4 59 | 5 50 | 6 42 | 7 34 | 8 26 |
| 110 | 2 72 | 3 63 | 4 54 | 5 45 | 6 36 | 7 27 | 8 18 |
| 115 | 2 60 | 3 48 | 4 34 | 5 21 | 6 08 | 6 95 | 7 83 |
| 120 | 2 50 | 3 33 | 4 16 | 5 00 | 5 83 | 6 66 | 7 50 |
| 130 | 2 30 | 3 07 | 3 84 | 4 61 | 5 38 | 6 15 | 6 92 |
| 140 | 2 14 | 2 86 | 3 57 | 4 28 | 5 00 | 5 71 | 6 43 |

HELP! In case of Accidents.

Drowning. 1. Loosen clothing, if any. 2. Empty Lungs of water by laying body on its stomach and lifting it by the middle so that the head hangs down. Jerk the body a few times. 3. Pull tongue forward, using handkerchief, or pin with string, if necessary. 4. Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. 5. Apply warmth and friction to extremities. 6. By holding tongue forward, closing the nostrils and pressing the "Adam's apple" back, (so as to close entrance to stomach), direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. 7. DON'T GIVE UP! People have been saved after HOURS of patient, vigorous effort 8. When breathing begins, get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air and quiet.

Burns and Scalds. Cover with Cooking Soda and lay wet cloths over it. Whites of Eggs and Olive Oil. Olive or Linseed Oil, plain, or mixed with Chalk or Whiting.

Lightning. Dash cold water over a person struck.

Sunstroke. Loosen clothing. Get patient into shade, and apply ice-cold water to head.

Mad Dog or Snake Bite. Tie cord tight above wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife.

Venomous Insects Stings, &c. Apply weak Ammonia, Oil, Salt Water, or Iodine.

Fainting. Place flat on back; allow fresh air, and sprinkle with water.

Tests of Death. Hold mirror to mouth. If living, moisture will gather. Push pin into flesh. If dead the hole will remain, if alive it will close up.

Cinders in the Eye. Roll soft paper up like a lamp lighter and wet the tip to remove, or use a medicine dropper to draw it out. Rub the other eye.

ANTIDOTES FOR POISONS.

First. Send for a Physician.

Second. INDUCE VOMITING, by tickling throat with feather or finger. Drinking hot water or strong Mustard and water. Swallow Sweet Oil or whites of Eggs.

Acids are antidotes for **ALKALIES**, and *vice versa.*

SPECIAL POISONS AND ANTIDOTES.

Acids. MURIATIC, OXALIC. } Soap-suds, Magnesia,
ACETIC. SULPHURIC (Oil of Vit- } Lime-water.
riol). NITRIC (Aqua Fortis).

Prussic Acid. } Ammonia in water. Dash water in
face.

Carbolic Acid. Flour and water, mucilaginous drinks.

Alkalies. POTASH. LYE. } Vinegar or Lemon juice in
HARTSHORN. AMMONIA. } water.

Arsenic. RAT POISON. } Milk, raw Eggs, Sweet Oil,
PARIS GREEN. } Lime-water, Flour & water.

Bug Poison. LEAD. SALTPETRE. } Whites of Eggs
CORROSIVE SUBLIMATE. SUGAR OF } or Milk in large
LEAD. BLUE VITRIOL. } doses.

Chloroform. } Dash cold water on head and chest.
CHLORAL. } Artificial respiration. Piece of ice in
ETHER. } rectum.

Carbonate of Soda. } Soap-suds and mucilaginous
COPPERAS. COBALT. } drinks.

Iodine. ANTIMONY. } Starch and water. Astringent in-
TARTAR EMETIC. } fusions. Strong tea.

Mercury AND ITS SALTS. } Whites of Eggs. Milk.
} Mucilages.

Nitrate of Silver. LUNAR CAUSTIC. Salt and water.

Opium. MORPHINE. } Strong coffee, hot bath.
LAUDANUM. PAREGORIC. } Keep awake and mov-
SOOTHING POWDERS OR SYRUPS. } ing at any cost.

Strychnine. } Mustard and water, Sulphate
TINCT. OF NUX VOMICA. } of Zinc. Absolute quiet.
} Plug the ears.

STANDARD TIME.

IN this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Tides are given in STANDARD TIME.

To change to STANDARD TIME add or subtract the minutes as given below, according as they are marked *plus* or *minus*.

Correction for the following Cities.

Eastern Standard.

75° Longitude.

Minutes.

| | |
|-------------------------|------|
| Bangor, Me. | - 25 |
| Augusta, Me. | - 21 |
| Portland, Me. | - 19 |
| Boston, Mass. | - 16 |
| Newport, R. I. | - 15 |
| Providence, R. I. | - 14 |
| Concord, N. H. | - 14 |
| New London, Conn. | - 11 |
| Springfield, Mass. | - 10 |
| Montpelier, Vt. | - 10 |
| Hartford, Conn. | - 9 |
| Montreal, Que. | - 6 |
| Albany, N. Y. | - 5 |
| New York, N. Y. | - 4 |
| Utica, N. Y. | + 1 |
| Philadelphia, Pa. | + 1 |
| Syracuse, N. Y. | + 5 |
| Baltimore, Md. | + 6 |
| Washington, D. C. | + 8 |
| Rochester, N. Y. | + 11 |
| Buffalo, N. Y. | + 16 |
| Pittsburg, Pa. | + 20 |

Central Standard.

90° Longitude.

Minutes.

| | |
|-------------------------|------|
| Cleveland, Ohio. | - 33 |
| Columbus, Ohio. | - 28 |
| Detroit, Mich. | - 28 |
| Toledo, Ohio. | - 26 |
| Dayton, Ohio. | - 23 |
| Cincinnati, Ohio. | - 22 |
| Louisville, Ky. | - 18 |
| Indianapolis, Ind. | - 16 |
| Chicago, Ill. | - 10 |
| Milwaukee, Wis. | - 8 |
| Springfield, Ill. | - 2 |
| Memphis, Tenn. | 0 |
| New Orleans, La. | 0 |
| St. Louis, Mo. | + 1 |
| Rock Island, Ill. | + 3 |
| Dubuque, Iowa. | + 3 |
| Burlington, Iowa. | + 5 |
| St. Paul, Minn. | + 12 |
| Des Moines, Iowa. | + 14 |
| Kansas City, Mo. | + 18 |
| Galveston, Texas. | + 19 |
| Omaha, Neb. | + 24 |

Mountain Standard.

105° Longitude.

| | |
|-------------------------|----|
| Denver, Col. | 0 |
| Salt Lake City, Utah, + | 28 |

Pacific Standard.

120° Longitude.

| | |
|--------------------------|------|
| Sacramento, Cal. | + 6 |
| San Francisco, Cal. | + 10 |

RATES OF POSTAGE

POSTAL CARDS., 1 cent each, go without further charge to all parts of the United States, Canada and Mexico. "Reply Postal Cards," with card attached for paid reply, 2 cents each. Cards for foreign countries (within the Postal Union) 2 cents each.

LETTERS to all parts of the United States, Canada and Mexico, 2 cents for each ounce or fraction thereof.

LOCAL, OR "DROP" LETTERS, that is, for the city or town where deposited, 2 cents where the carrier system is adopted, and 1 cent where there is no carrier system.

FIRST CLASS.—Letters and all other written matter, whether sealed or unsealed, and all other matter sealed, nailed, sewed, tied, or fastened in any manner so that it cannot be easily examined, 2 cents for each ounce or fraction thereof.

SECOND CLASS.—For publishers and news-agents only, 1 cent per pound. **NEWSPAPERS** and **PERIODICALS** (regular publications) can be mailed by the public at the rate of 1 cent for each 4 ounces or fraction thereof.

THIRD CLASS.—Printed matter, in unsealed wrappers only (all matter inclosed in notched envelopes must pay letter rates), 1 cent for each 2 ounces or fraction thereof, which must be fully prepaid. This includes books, circulars, chromos, engravings, handbills, lithographs, music, pamphlets, proofsheets and manuscript accompanying the same, reproductions by the electric pen, hektograph, metallograph, papyrograph, and, in short, any reproduction upon paper by any process except handwriting and the copying-press. Limit of weight 4 lbs., except for a single book which may weigh more.

FOURTH CLASS.—All mailable matter not included in the three preceding classes, which is so prepared for mailing as to be easily withdrawn from the wrapper and examined, 1 cent per ounce or fraction thereof. Limit of weight, 4 lbs. Full prepayment compulsory.

REFORWARDING.—Letters will be forwarded from one post office to another upon the written request of the person addressed, without additional charge; but unclaimed packages cannot be returned to the sender until stamps are furnished to pay the return postage.

REGISTRATION.—Letters or packages can be registered by adding stamps to the amount of 8 cents to the regular rate.

SPECIAL DELIVERY STAMPS, at 10 cents each, used in addition to regular rates, insures delivery immediately on arrival at office of destination. These stamps can be used for no other purpose.

POSTAL NOTES.—Upon payment of a fee of three cents each, Postal notes for any amount under Five Dollars may be purchased at any Money-order Office, payable to bearer at any time within three calendar months from the last day of the month during which it was issued.

RATES OF POSTAGE.

MONEY ORDERS.—For Orders not exceeding \$5, five cents; over \$5 and not exceeding \$10, eight cents; over \$10 and not exceeding \$15, ten cents; over \$15 and not exceeding \$30, fifteen cents; over \$30 and not exceeding \$40, twenty cents; over \$40 and not exceeding \$50, twenty-five cents; over \$50 and not exceeding \$70, thirty cents; over \$70 and not exceeding \$80, thirty-five cents; over \$80 and not exceeding \$100, forty cents; over \$100 and not exceeding \$100, forty-five cents. When a larger sum than \$100 is required, additional Orders to make it up must be obtained.

FOREIGN POSTAGE.—The rates for LETTERS are for the half ounce or fraction thereof, and those for NEWSPAPERS for 2 ounces or fraction thereof.

To Great Britain and Ireland, France, Spain, all parts of Germany, including Austria, Denmark, Switzerland, Italy, Russia, Norway, Sweden, Turkey (European and Asiatic), Egypt, letters 5 cents, newspapers 1 cent for each 2 ounces or fraction thereof.

To Australia, letters, via San Francisco, 5 cents; via Brindisi, 5 cents; newspapers, via San Francisco, 1 cent for 2 ounces; via Brindisi, 1 cent for 2 ounces. China, letters, via San Francisco, 5 cents; via Brindisi, 10 cents; newspapers, 2 cents for each 2 ounces. British India, Italian mail, letters 5 cents, newspapers 1 cent for 2 ounces. Japan, letters, via San Francisco, 5 cents, newspapers 1 cent for 2 ounces.

VALUES IN UNITED STATES MONEY

OF THE

PURE GOLD OR SILVER

REPRESENTING RESPECTIVELY THE MONETARY UNITS
AND STANDARD COINS OF FOREIGN COUNTRIES.

The first section of the Act of March 3, 1873, provides "that the value of Foreign Coin, as expressed in the money of account of the United States, shall be that of the pure metal of such coin of standard value," and that "the values of the standard coins in circulation of the various nations of the world shall be estimated annually by the Director of the Mint, and be proclaimed on the first day of January by the Secretary of the Treasury."

VALUE OF FOREIGN COINS.

The estimates of values contained in the following table are those made by the Director of the Mint, January 1st, 1890, in compliance with the above stated provisions of law.

| COUNTRY. | MONETARY UNIT. | STANDARD. | VALUE. | | |
|-------------------|---|--------------|--------|----|----|
| | | | D. | C. | M. |
| Argentine Repub. | Peso | Gold & silv. | o | 96 | 5 |
| Austria | Florin | Silver | o | 34 | 3 |
| Belgium | Franc | Gold & silv. | o | 19 | 3 |
| Bolivia..... | Boliviano | Silver | o | 69 | 8 |
| Brazil..... | Milreis of 1000 reis. | Gold | o | 54 | 6 |
| British America.. | Dollar | Gold | i | 0 | 0 |
| Cent'l Am. States | Peso | Silver | o | 69 | 8 |
| Chili..... | Peso | Gold & silv. | o | 91 | 2 |
| China..... | Tael.. { Shanghai. Haikwan.. (Customs). | Silver | i | 3 | 1 |
| Cuba | Peso | Gold & silv. | o | 92 | 6 |
| Denmark | Crown..... | Gold | o | 26 | 8 |
| Ecuador | Sucre | Silver | o | 69 | 8 |
| Egypt..... | Pound (100 piastres) | Gold | 4 | 94 | 3 |
| France..... | Franc | Gold & silv. | o | 19 | 3 |
| German Empire .. | Mark | Gold | o | 23 | 8 |
| Great Britain.... | Pound sterling..... | Gold | 4 | 86 | 6½ |
| Greece..... | Drachma | Gold & silv. | o | 19 | 3 |
| Hayti..... | Gourde | Gold & silv. | o | 96 | 5 |
| India | Rupee of 16 annas. | Silver | o | 33 | 2 |
| Italy..... | Lira | Gold & silv. | o | 19 | 3 |
| Japan | Yen | Gold | o | 99 | 7 |
| Japan | Yen | Silver | o | 75 | 2 |
| Liberia | Dollar | Gold | i | 0 | 0 |
| Mexico | Dollar | Silver | o | 75 | 8 |
| Netherlands..... | Florin..... | Gold & silv. | o | 40 | 2 |
| Norway..... | Crown | Gold | o | 26 | 8 |
| Peru..... | Sol | Silver | o | 69 | 8 |
| Portugal | Milreis of 1000 reis. | Gold | i | 8 | 0 |
| Russia | Roubl. of 100 cop'ks | Silver | o | 55 | 8 |
| Spain | Peseta of 100 centim. | Gold & silv. | o | 19 | 3 |
| Sweden | Crown | Gold | o | 26 | 8 |
| Switzerland | Franc | Gold & silv. | o | 19 | 3 |
| Tripoli | Mahbub of 20 piast's | Silver | o | 62 | 9 |
| Turkey..... | Piastre | Gold | o | 4 | 4 |
| U. S. of Colombia | Peso | Silver | o | 69 | 8 |
| Venezuela..... | Bolivar | Silver | o | 14 | 0 |

PRESIDENTS OF THE UNITED STATES.

| NAME. | BORN. | INAUGURATED. | TERM OF OFFICE. | DIED. | NATIVE OF |
|------------------------|----------------|----------------|-----------------|----------------|--------------|
| 1 GEORGE WASHINGTON | Feb. 22, 1732 | April 30, 1789 | 8 years..... | Dec. 14, 1799 | Virginia. |
| 2 JOHN ADAMS..... | Oct. 31, 1735 | Mar. 4, 1797 | 4 " " | July 4, 1826 | Mass. |
| 3 THOMAS JEFFERSON. | April 2, 1743 | " 4, 1801 | 8 " | " 4, 1826 | Virginia. |
| 4 JAMES MADISON..... | Mar. 16, 1751 | " 4, 1809 | 8 " | June 28, 1836 | " |
| 5 JAMES MONROE..... | April 28, 1758 | " 4, 1817 | 8 " | July 4, 1831 | |
| 6 JOHN QUINCY ADAMS. | July 11, 1767 | " 4, 1825 | 4 " | Feb. 23, 1848 | Mass. |
| 7 ANDREW JACKSON.... | Mar. 15, 1767 | " 4, 1829 | 8 " | June 8, 1845 | S. Carolina. |
| 8 MARTIN VAN BUREN. | Dec. 5, 1782 | " 4, 1837 | 4 " | July 24, 1862 | New York. |
| 9 WM. H. HARRISON.... | Feb. 9, 1773 | " 4, 1841 | 1 month..... | April 4, 1841 | Virginia. |
| 10 JOHN TYLER..... | Mar. 29, 1790 | April 6, 1841 | 3 yrs. 11 mos. | Jan. 18, 1862 | |
| 11 JAMES K. POLK..... | Nov. 2, 1795 | Mar. 4, 1845 | 4 years..... | June 15, 1849 | N. Carolina. |
| 12 ZACHARY TAYLOR..... | Sept. 24, 1784 | " 4, 1849 | 1 year 4 mos. | July 9, 1850 | Virginia. |
| 13 MILLARD FILLMORE. | Feb. 7, 1800 | July 9, 1850 | 2 years 8 mos. | Mar. 7, 1874 | New York. |
| 14 FRANKLIN PIERCE.... | Nov. 23, 1804 | Mar. 4, 1853 | 4 years..... | Oct. 8, 1869 | N. Hamp. |
| 15 JAMES BUCHANAN.... | April 23, 1791 | " 4, 1857 | 4 " | June 1, 1868 | Penn. |
| 16 ABRAHAM LINCOLN... | Feb. 12, 1809 | " 4, 1861 | 4 yrs. 40 days. | April 15, 1865 | Kentucky. |
| 17 ANDREW JOHNSON.... | Dec. 29, 1808 | April 15, 1865 | 3 yrs. 10½ mos. | July 31, 1875 | N. Carolina. |
| 18 ULYSSES S. GRANT... | April 27, 1822 | Mar. 4, 1869 | 8 years..... | July 23, 1885 | Ohio. |
| 19 RUTHERF'D B. HAYES | Oct. 4, 1822 | " 5, 1877 | 4 " | Jan. 17, 1893 | " |
| 20 JAMES A. GARFIELD | Nov. 19, 1831 | " 4, 1881 | 6½ months..... | Sept. 19, 1881 | |
| 21 CHESTER A. ARTHUR. | Oct. 5, 1830 | Sept. 20, 1881 | 3 yrs. 5½ mos. | Nov. 18, 1886 | Vermont. |
| 22 GROVER CLEVELAND.. | Mar. 18, 1837 | Mar. 4, 1885 | 4 years..... | ..... | New Jersey. |
| 23 BENJAMIN HARRISON. | Aug. 20, 1833 | " 4, 1889 | 4 " | | Ohio. |
| 24 GROVER CLEVELAND.. | Mar. 18, 1837 | " 4, 1893 | | | New Jersey. |

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POPULATION OF THE UNITED STATES.

The official count of the returns of the Eleventh
Census as finally determined.

| STATES AND TERRITORIES. | 1890. | 1880. |
|---------------------------|-----------|-----------|
| Alabama..... | 1,513,017 | 1,262,505 |
| Alaska..... | ..... | ..... |
| Arizona..... | 59,620 | 40,440 |
| Arkansas..... | 1,128,179 | 802,525 |
| California..... | 1,208,130 | 864,694 |
| Colorado..... | 412,198 | 194,327 |
| Connecticut..... | 746,258 | 622,700 |
| Delaware..... | 168,493 | 146,608 |
| District of Columbia..... | 230,392 | 177,624 |
| Florida..... | 391,422 | 269,493 |
| Georgia..... | 1,837,353 | 1,542,180 |
| Idaho..... | 84,385 | 32,610 |
| Illinois..... | 3,826,351 | 3,077,871 |
| Indiana..... | 2,192,404 | 1,978,301 |
| Indian Territory..... | ..... | ..... |
| Iowa..... | 1,911,896 | 1,624,615 |
| Kansas..... | 1,427,096 | 996,096 |
| Kentucky..... | 1,858,635 | 1,648,690 |
| Louisiana..... | 1,118,587 | 939,946 |
| Maine..... | 661,086 | 648,936 |
| Maryland..... | 1,042,390 | 934,943 |
| Massachusetts..... | 2,238,943 | 1,783,085 |
| Michigan..... | 2,093,889 | 1,636,937 |
| Minnesota..... | 1,301,826 | 780,773 |
| Mississippi..... | 1,289,600 | 1,131,597 |
| Missouri..... | 2,679,184 | 2,168,380 |
| Montana..... | 132,159 | 39,159 |
| Nebraska..... | 1,058,910 | 452,402 |
| Nevada..... | 45,761 | 62,266 |
| New Hampshire..... | 376,530 | 346,991 |
| New Jersey..... | 1,444,933 | 1,131,116 |
| New Mexico..... | 153,593 | 119,565 |
| New York..... | 5,997,853 | 5,082,871 |
| North Carolina..... | 1,617,947 | 1,399,750 |
| North Dakota..... | 182,719 | 36,909 |
| Ohio..... | 3,672,316 | 3,198,062 |
| Oklahoma..... | 61,834 | ..... |
| Oregon..... | 313,767 | 174,768 |
| Pennsylvania..... | 5,258,014 | 4,282,891 |

POPULATION OF THE UNITED STATES.—CONTINUED.

| STATES AND TERRITORIES. | 1890. | 1880. |
|------------------------------|------------|------------|
| Rhode Island..... | 345,506 | 276,531 |
| South Carolina..... | 1,151,149 | 995,577 |
| South Dakota..... | 328,808 | 98,268 |
| Tennessee..... | 1,767,518 | 1,542,359 |
| Texas..... | 2,235,523 | 1,591,749 |
| Utah..... | 207,905 | 143,963 |
| Vermont..... | 332,422 | 332,286 |
| Virginia..... | 1,655,980 | 1,512,565 |
| Washington..... | 349,390 | 75,116 |
| West Virginia..... | 762,794 | 618,457 |
| Wisconsin..... | 1,686,880 | 1,315,497 |
| Wyoming..... | 60,705 | 20,789 |
| Total population of U. S.... | 62,622,250 | 50,155,783 |

POPULATION OF PRINCIPAL CITIES.

25,000 AND OVER.

| | 1890. | 1880. |
|-------------------------|---------|---------|
| Akron, O. | 27,601 | 16,512 |
| Albany, N. Y. | 94,923 | 90,758 |
| Allentown, Pa. | 25,228 | 18,063 |
| Allegheny, Pa. | 105,287 | 78,682 |
| Altoona, Pa. | 30,337 | 19,710 |
| Atlanta, Ga. | 65,533 | 37,409 |
| Auburn, N. Y. | 25,858 | 21,924 |
| Augusta, Ga. | 33,300 | 21,891 |
| Baltimore, Md. | 434,439 | 332,313 |
| Bay City, Mich. | 27,839 | 20,693 |
| Binghampton, N. Y. | 35,005 | 17,317 |
| Birmingham, Ala. | 26,178 | 3,086 |
| Boston, Mass. | 448,477 | 362,839 |
| Bridgeport, Conn. | 48,866 | 27,643 |
| Brockton, Mass. | 27,294 | 13,608 |
| Brooklyn, N. Y. | 806,343 | 566,663 |
| Buffalo, N. Y. | 255,664 | 155,134 |
| Cambridge, Mass. | 70,028 | 52,669 |
| Canton, O. | 26,189 | 12,258 |
| Camden, N. J. | 58,313 | 41,659 |
| Charleston, S. C. | 54,955 | 49,984 |

POPULATION OF PRINCIPAL CITIES.—CONTINUED.

| | 1890. | 1880. |
|------------------------------|-----------|---------|
| Chattanooga, Tenn. | 29,100 | 12,892 |
| Chicago, Ill. | 1,099,850 | 503,185 |
| Chelsea, Mass. | 27,909 | 21,782 |
| Cincinnati, O. | 296,908 | 255,139 |
| Cleveland, O. | 261,353 | 160,146 |
| Columbus, O. | 88,150 | 51,647 |
| Covington, Ky. | 37,371 | 29,720 |
| Dallas, Tex. | 38,067 | 10,358 |
| Davenport, Ia. | 26,872 | 21,831 |
| Dayton, O. | 61,220 | 38,678 |
| Denver, Col. | 106,713 | 35,629 |
| Des Moines, Ia. | 50,093 | 22,408 |
| Detroit, Mich. | 205,876 | 116,340 |
| Dubuque, Ia. | 30,311 | 22,254 |
| Duluth, Minn. | 33,115 | 3,483 |
| Elizabeth City, N. J. | 37,764 | 28,229 |
| Elmira, N. Y. | 29,708 | 20,541 |
| Erie, Pa. | 40,634 | 27,737 |
| Evansville, Ind. | 50,756 | 29,280 |
| Fall River, Mass. | 74,398 | 48,961 |
| Ft. Wayne, Ind. | 35,393 | 26,880 |
| Galveston, Tex. | 29,084 | 22,248 |
| Grand Rapids, Mich. | 60,278 | 32,016 |
| Harrisburgh, Pa. | 39,385 | 30,762 |
| Hartford, Conn. | 53,230 | 42,015 |
| Haverhill, Mass. | 27,412 | 18,472 |
| Hoboken, N. J. | 43,648 | 30,999 |
| Holyoke, Mass. | 35,637 | 21,915 |
| Houston, Tex. | 27,557 | 16,513 |
| Indianapolis, Ind. | 105,436 | 75,056 |
| Jersey City, N. J. | 163,003 | 120,722 |
| Kansas City, Kan. | 38,316 | 3,200 |
| Kansas, City, Mo. | 132,716 | 55,785 |
| La Crosse, Wis. | 25,090 | 14,505 |
| Lancaster, Pa. | 32,011 | 25,769 |
| Lawrence, Mass. | 44,654 | 39,151 |
| Lincoln, Neb. | 55,154 | 13,003 |
| Little Rock, Ark. | 25,874 | 13,138 |
| Long Island City, N. Y. | 30,506 | 17,129 |
| Los Angeles, Cal. | 50,395 | 11,183 |
| Louisville, Ky. | 161,129 | 123,758 |
| Lowell, Mass. | 77,696 | 59,475 |
| Lynn, Mass. | 55,727 | 38,274 |
| Manchester, N. H. | 44,126 | 32,630 |

POPULATION OF PRINCIPAL CITIES.—CONTINUED.

| | 1890. | 1880. |
|---------------------------|-----------|-----------|
| Memphis, Tenn. | 64,495 | 33,592 |
| Milwaukee, Wis. | 204,468 | 115,587 |
| Minneapolis, Minn. | 164,738 | 46,887 |
| Mobile, Ala. | 31,076 | 29,132 |
| Nashville, Tenn. | 76,168 | 43,350 |
| Newark, N. J. | 181,830 | 136,508 |
| New Bedford, Mass. | 40,733 | 26,845 |
| New Haven, Conn. | 81,298 | 62,882 |
| New Orleans, La. | 242,039 | 216,090 |
| New York, N. Y. | 1,515,301 | 1,206,299 |
| Norfolk, Va. | 34,871 | 21,966 |
| Oakland, Cal. | 48,682 | 34,555 |
| Omaha, Neb. | 140,452 | 30,518 |
| Paterson, N. J. | 78,347 | 51,031 |
| Pawtucket, R. I. | 27,633 | 19,030 |
| Peoria, Ill. | 41,024 | 29,259 |
| Philadelphia, Pa. | 1,046,964 | 847,170 |
| Pittsburgh, Pa. | 238,617 | 156,389 |
| Portland, Me. | 36,425 | 33,810 |
| Portland, Ore. | 46,385 | 17,577 |
| Providence, R. I. | 132,146 | 104,857 |
| Quincy, Ill. | 31,494 | 27,268 |
| Reading, Pa. | 58,661 | 43,278 |
| Richmond, Va. | 81,388 | 63,600 |
| Rochester, N. Y. | 133,896 | 89,366 |
| Sacramento, Cal. | 26,386 | 21,420 |
| Saginaw, Mich. | 46,322 | 29,541 |
| Saint Joseph, Mo. | 52,324 | 32,431 |
| Saint Louis, Mo. | 451,770 | 350,518 |
| Saint Paul, Minn. | 133,156 | 41,473 |
| Salem, Mass. | 30,801 | 27,563 |
| Salt Lake City, Utah | 44,843 | 20,768 |
| San Antonio, Tex. | 37,673 | 20,550 |
| San Francisco, Cal. | 298,997 | 233,959 |
| Savannah, Ga. | 43,189 | 30,709 |
| Scranton, Pa. | 75,215 | 45,850 |
| Seattle, Wash. | 42,837 | 3,533 |
| Sioux City, Ia. | 37,806 | 7,366 |
| Somerville, Mass. | 40,152 | 24,933 |
| Springfield, Mass. | 44,179 | 33,340 |
| Springfield, O. | 31,895 | 20,730 |
| Syracuse, N. Y. | 88,143 | 51,792 |
| Tacoma, Wash. | 36,006 | 1,098 |
| Taunton, Mass. | 25,448 | 21,213 |

POPULATION OF PRINCIPAL CITIES.—CONTINUED.

| | 1890. | 1880. |
|-------------------|---------|---------|
| Terre Haute, Ind. | 30,217 | 26,042 |
| Toledo, O. | 81,434 | 50,137 |
| Topeka, Kan. | 31,007 | 15,452 |
| Trenton, N. J. | 57,458 | 29,910 |
| Troy, N. Y. | 60,956 | 56,747 |
| Utica, N. Y. | 44,007 | 33,914 |
| Washington, D. C. | 230,392 | 177,624 |
| Waterbury, Conn. | 28,646 | 17,806 |
| Wheeling, W. Va. | 35,013 | 30,737 |
| Wilkesbarre, Pa. | 37,718 | 23,339 |
| Williamsport, Pa. | 27,132 | 18,934 |
| Wilmington, Del. | 61,431 | 42,478 |
| Worcester, Mass. | 84,655 | 58,291 |
| Yonkers, N. Y. | 32,033 | 18,892 |
| Youngstown, O. | 33,220 | 15,435 |

LEGAL HOLIDAYS.

In most of the States when the holiday falls on Sunday the Monday following is the holiday. Notes must be paid on the Saturday preceding.

ALABAMA—Jan. 1, Feb. 22, July 4, Dec. 25.

ARIZONA—Jan. 1, Feb. 22, May 30, July 4, Dec. 25, any day of thanksgiving or general territorial election, or special election called by the Governor.

CALIFORNIA—Jan. 1, Feb. 22, May 30, July 4, Sept. 9, Thanksgiving, Dec. 25, a State or general election.

COLORADO—Jan. 1, Feb. 22, May 30, July 4, Thanksgiving, Dec. 25.

CONNECTICUT—Jan. 1, Feb. 22, May 30, July 4, Sept. 1, Thanksgiving, Dec. 25, Fast day.

DELAWARE—Jan. 1, Feb. 22, July 4, Thanksgiving, Dec. 25.

FLORIDA—Jan. 1, Feb. 22, July 4, any general election day, Thanksgiving, Dec. 25.

GEORGIA—Jan. 1, Feb. 22, April 26, July 4, any Thanksgiving, Dec. 25.

IDAHO—Same as Arizona.

ILLINOIS—Jan. 1, Feb. 22, May 30, July 4, Election Day, Thanksgiving, Dec. 25.

LEGAL HOLIDAYS.—CONTINUED.

INDIANA—Jan. 1, public fast, July 4, Thanksgiving, Dec. 25.

IOWA—Jan. 1, May 30, July 4, Thanksgiving, Dec. 25.

KANSAS—Jan. 1, May 30, July 4, public fast, Thanksgiving, Dec. 25.

KENTUCKY—Jan. 1, Feb. 22, July 4, public fast, Thanksgiving, Dec. 25.

LOUISIANA—Jan. 1 and 8, Feb. 22, Mardi Gras, Mar. 4 in New Orleans, Good Friday, July 4, Dec. 25.

MAINE—Jan. 1, Feb. 22, May 30, public fast, July 4, Thanksgiving, Dec. 25.

MARYLAND—Jan. 1, Feb. 22, Good Friday, July 4, Thanksgiving, Dec. 25, and general and Congressional election days.

MASSACHUSETTS—Feb. 22, Fast Day, May 30, July 4, first Monday in Sept., Thanksgiving, Dec. 25.

MICHIGAN—Jan. 1, Feb. 22, May 30, July 4, Dec. 25, and any day appointed by the Governor or President for fasting and thanksgiving.

MINNESOTA—Jan. 1, Feb. 22, Good Friday, July 4, Thanksgiving, Dec. 25.

MISSISSIPPI—Jan. 1, July 4, Dec. 25.

MISSOURI—Jan. 1, Feb. 22, July 4, Dec. 25, any general or State election day, any Thanksgiving day.

MONTANA—Jan. 1, Feb. 22, May 30, public fast, July 4, Thanksgiving, Dec. 25.

NEBRASKA—Jan. 1, Feb. 22, April 22, May 30, July 4, Sept. 1, public fast, Thanksgiving, Dec. 25.

NEVADA—Jan. 1, Feb. 22, July 4, Thanksgiving, Dec. 25.

NEW HAMPSHIRE—Feb. 22, Fast day, May 30, July 4, Thanksgiving, Dec. 25, and any day on which a general election is held for members of the Legislature.

NEW JERSEY—Jan. 1, Feb. 22, May 30, July 4, first Monday in Sept., Thanksgiving and Fast day, Dec. 25, every Saturday p. m., and any general election day. Notes and drafts payable on secular or business day next succeeding each holiday.

NEW MEXICO—Jan. 1, July 4, Dec. 25, and all days for fasting or thanksgiving. Notes due on holidays are payable on the next business day thereafter.

LEGAL HOLIDAYS.—CONTINUED.

NEW YORK—Jan. 1, Feb. 22, May 30, July 4, the first Monday of Sept. (Labor day), Dec. 25, any general election day, every Saturday from noon until midnight, and any day appointed as a day of thanksgiving, or fasting.

NORTH CAROLINA—Jan. 1, Feb. 22, May 10, May 20, July 4, Thanksgiving, Dec. 25. Notes and drafts payable on secular or business day next succeeding each holiday.

NORTH DAKOTA—Jan. 1, Feb. 22, May 30, July 4, Thanksgiving, public fast, Dec. 25, and general State or National election.

OHIO—Jan. 1, Feb. 22, May 30, July 4, Thanksgiving, Dec. 25.

OREGON—Jan. 1, Feb. 22, May 30, first Saturday in June, July 4, public fast, Thanksgiving, Dec. 25, and every general election day.

PENNSYLVANIA—Jan. 1, Feb. 22, Good Friday, July 4, Sept. 1, Thanksgiving, Dec. 25, Decoration Day.

RHODE ISLAND—Feb. 22, May 30, July 4, Thanksgiving, Dec. 25.

SOUTH CAROLINA—Jan. 1, Feb. 22, July 4, National Thanksgiving, Dec. 25, general election days.

SOUTH DAKOTA—See North Dakota.

TENNESSEE—Jan. 1, July 4, Thanksgiving, Dec. 25.

TEXAS—Jan. 1, Feb. 22, March 2, April 21, July 4, Dec. 25, and all days appointed as days of fasting or thanksgiving, and every State election day.

UTAH—Jan. 1, Feb. 22, May 30, July 4, July 24, Thanksgiving, Fast days, Dec. 25.

VERMONT—Jan. 1, May 30, July 4, Thanksgiving, Dec. 25.

VIRGINIA—Jan. 1, Feb. 22, Fast day, July 4, Thanksgiving, Dec. 25.

WASHINGTON—Jan. 1, Feb. 22, Decoration day, July 4, Thanksgiving, Dec. 25, days of general and special election.

WEST VIRGINIA—Jan. 1, Feb. 22, July 4, Dec. 25, or a day of National thanksgiving.

WISCONSIN—Jan. 1, Feb. 22, May 30, June 10, July 4, Thanksgiving, Dec. 25, general election day.

WYOMING—Jan. 1, Feb. 22, May 30, July 4, Thanksgiving, Dec. 25.

TIDE TABLE

(The following values are derived from late determinations of the UNITED STATES COAST SURVEY.)

To find the time (Standard Time) of High Water at any of the following places, add or subtract the hours and minutes opposite the name of place in the following Table, to or from the hours and minutes of High Water at NEW YORK for the required day, as found in the *Calendar Page*.

| EASTERN STANDARD. | | | Mean range. Feet. |
|--|------|------|----------------------|
| | H. | M. | |
| Eastport, Me. | add | 2 33 | 18.2 |
| Portland, Me. | " | 2 55 | 9.1 |
| Portsmouth, N. H. | " | 3 3 | 8.6 |
| Salem, Mass. | " | 2 47 | 9.2 |
| Nantucket, Mass. | " | 4 6 | 3.0 |
| Vineyard Haven, Mass. | " | 3 32 | 1.6 |
| Wood's Hole, South Side, Mass. | " | 0 14 | 1.6 |
| New Bedford Entrance } (Dumpling Rock), Mass. } | sub. | 0 22 | 3.7 |
| Newport, R. I. | " | 0 33 | 3.9 |
| Point Judith, R. I. | " | 0 45 | 3.1 |
| Sandy Hook, N. J. | " | 0 32 | 4.7 |
| Watch Hill, R. I. | add | 0 54 | 2.7 |
| Stonnington, Conn. | " | 0 52 | 2.7 |
| New London, Conn. | " | 1 14 | 2.6 |
| New Haven, Conn. | " | 2 57 | 6.0 |
| Throg's Neck, N. Y. | " | 3 13 | 7.3 |
| Cape May Landing, N. J. | " | 0 14 | 4.8 |
| Philadelphia, Penn. | " | 5 46 | 6.0 |
| Baltimore, Md. | sub. | 1 23 | 1.3 |
| Richmond, Va. | " | 3 24 | 3.6 |
| Beaufort, N. C. | " | 0 35 | 2.8 |
| Charleston (C. H. Wharf), S. C. | " | 0 19 | 5.1 |

CENTRAL STANDARD.

| | | | |
|--|------|------|-----|
| Fort Pulaski (Savannah Ent.), Ga. | sub. | 1 21 | 6.9 |
| Savannah (Dry Dock Wharf), Ga. | " | 0 26 | 6.5 |
| St. Augustine, Fla. | " | 0 17 | 4.2 |
| Key West, Fla. | add | 0 54 | 1.2 |
| Tampa Bay (Egmont Key), Fla. | " | 2 49 | 1 4 |
| Cedar Keys (Depot Key), Fla. | " | 4 52 | 2.6 |

SHORT METHOD FOR CALCULATING INTEREST.

Multiply the principal by as many hundreds as there are days, and

| | |
|---------------------|--------------|
| For 4 per cent..... | Divide by 90 |
| " 5 " " | " " 72 |
| " 6 " " | " " 60 |
| " 7 " " | " " 52 |
| " 8 " " | " " 45 |
| " 9 " " | " " 40 |
| " 10 " " | " " 36 |
| " 12 " " | " " 30 |

EXAMPLE — INTEREST on \$50 for 30 days at 4%.
 $50 \times .30 = 15.00$, which divided by 90 = $16\frac{2}{3}$ cents — the required result.

$30 / 90 = 15.00$

FESTIVALS AND FASTS.

| | | |
|---|-------|----|
| Epiphany | Jan. | 6 |
| Septuagesima Sunday | Jan. | 21 |
| Quinquagesima — Shrove Sunday | Feb. | 4 |
| Ash Wednesday | Feb. | 7 |
| First Sunday in Lent | Feb. | 11 |
| St. Patrick | Mar. | 17 |
| Palm Sunday | Mar. | 18 |
| Good Friday | Mar. | 23 |
| Annunciation | Mar. | 25 |
| Easter Sunday | Mar. | 25 |
| Low Sunday | April | 1 |
| Rogation Sunday | April | 29 |
| Ascension Day — Holy Thursday | May | 3 |
| Pentecost — Whit Sunday | May | 13 |
| Trinity Sunday | May | 20 |
| Corpus Christi | May | 24 |
| St. John Baptist | June | 24 |
| Michælmas Day | Sept. | 29 |
| St. Andrew | Nov. | 30 |
| First Sunday in Advent | Dec. | 2 |
| Christmas Day | Dec. | 25 |

ECLIPSES FOR THE YEAR.

In the year 1894 there will be four Eclipses,—two of the SUN and two of the MOON; and a Transit of MERCURY over the Sun's disk.

I. A PARTIAL ECLIPSE OF THE MOON, March 21. Visible more or less to the extreme western portion of North America, Asia, Australia, and the Pacific Ocean. Between the Mississippi River and the Rocky Mountains the Moon will set in the morning dimmed with penumbral shade.

II. AN ANNULAR ECLIPSE OF THE SUN, April 6. Invisible to America. Visible to eastern Europe and Asia.

III. A PARTIAL ECLIPSE OF THE MOON, September 14-15. Visible more or less to North and South America, the western portions of Europe and Africa, and the Atlantic and eastern Pacific Oceans. Occurring as follows:—

| | Eastern Standard. | | Central Standard. | | Mountain Standard. | |
|-------------------------|-------------------|----|-------------------|----|--------------------|-------|
| | D. | H. | M. | D. | H. | M. |
| Moon enters Penumbra.. | 14 | 8 | 58 A. | 14 | 7 | 58 A. |
| Moon enters Shadow..... | 14 | 10 | 35 A. | 14 | 9 | 35 A. |
| Middle of Eclipse | 14 | 11 | 31 A. | 14 | 10 | 31 A. |
| Moon leaves Shadow..... | 15 | 0 | 27 M. | 14 | 11 | 27 A. |
| Moon leaves Penumbra.. | 15 | 2 | 4 M. | 15 | 1 | 4 M. |

First contact of shadow, at north point of Moon's limb.

Magnitude of Eclipse = 0.231, (Moon's diameter = 1.)

IV. A TOTAL ECLIPSE OF THE SUN, September 29. Invisible to America. Visible to portions of Africa, Hindooostan and Australia, and to the Indian Ocean.

A TRANSIT OF MERCURY, November 10. Visible generally to North and South America, the western portions of Europe and Africa, eastern Australia, and the Atlantic and Pacific Oceans. Occurring as follows:—

| | Ingress. | Egress. |
|------------------------|------------------|-------------|
| Eastern Standard..... | 10h. 56m. M..... | 4h. 12m. A. |
| Central Standard | 9h. 56m. M..... | 3h. 12m. A. |
| Mountain Standard..... | 8h. 56m. M..... | 2h. 12m. A. |

Ingress, on the eastern limb of the Sun.

MORNING AND EVENING STARS.

MERCURY will be Evening Star about February 25, June 23, and October 19; and Morning Star about April 10, August 8, and November 27.

VENUS will be Evening Star till February 15; then Morning Star till November 30; and then Evening Star again the rest of the year.

JUPITER will be Evening Star till June 4; then Morning Star till December 22; and then Evening Star again the rest of the year.

CHRONOLOGICAL CYCLES.

| | | | | | | | | | | | | |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|------|
| Dominical Letter | . | . | . | . | . | . | . | . | . | . | . | G. |
| Epact | . | . | . | . | . | . | . | . | . | . | . | 23 |
| Lunar Cycle, or Golden Number | . | . | . | . | . | . | . | . | . | . | . | 14 |
| Solar Cycle | . | . | . | . | . | . | . | . | . | . | . | 27 |
| Roman Indiction | . | . | . | . | . | . | . | . | . | . | . | 7 |
| Julian Period | . | . | . | . | . | . | . | . | . | . | . | 6607 |

THE SEASONS.

| | Eastern Standard. | Central Standard. |
|----------------------|-------------------|-------------------|
| Vernal Equinox..... | Mar. 20, 10h. M. | Mar. 20, 9h. M. |
| Summer Solstice..... | June 21, 6h. M. | June 21, 5h. M. |
| Autumnal Equinox.. | Sept. 22, 8h. A. | Sept. 22, 7h. A. |
| Winter Solstice..... | Dec. 21, 3h. A. | Dec. 21, 2h. A. |

| | Mountain Standard. | Pacific Standard. |
|----------------------|--------------------|-------------------|
| Vernal Equinox..... | Mar. 20, 8h. M. | Mar. 20, 7h. M. |
| Summer Solstice..... | June 21, 4h. M. | June 21, 3h. M. |
| Autumnal Equinox.. | Sept. 22, 6h. A. | Sept. 22, 5h. A. |
| Winter Solstice..... | Dec. 21, 1h. A. | Dec. 21, 0h. A. |

The Calendars for the Latitude of Boston and Chicago

May be used for Central and Southern New England,
Central New York, Southern Michigan, Southern
Wisconsin, Northern Iowa, Northern Nebraska, South
Dakota, and Wyoming.

The Calendars for the Latitude of New York and Philadelphia

May be used for Southern New York, New Jersey, Pennsylvania,
Northern Ohio, Northern Indiana, Northern Illinois, Southern Iowa, and Southern Nebraska.

The Calendars for the Latitude of Washington, Cincinnati, etc.

May be used for Delaware, Maryland, the Virginias,
Southern Ohio, Southern Indiana, Southern Illinois,
Kentucky, Missouri, Kansas, and Colorado.

THE SIZE OF THE SEAS.

| | Miles long. |
|--------------------|-------------|
| Mediterranean..... | 2,000 |
| Caribbean..... | 1,800 |
| Red | 1,400 |
| Black | 932 |
| Baltic | 600 |

AREA OF OCEANS IN SQ. MILES.

| | |
|----------------|------------|
| Pacific | 80,000,000 |
| Atlantic | 40,000,000 |
| Indian | 20,000,000 |
| Southern..... | 10,000,000 |
| Arctic..... | 5,000,000 |

JANUARY



MOON'S PHASES. (In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

| | | |
|--------------------------|---------------------|---------------------|
| New Moon, | 6d. 10h. 7m. p.m. | 6d. 9h. 7m. p.m. |
| First Quarter, | 14d. Th. 9m. p.m. | 14d. 6h. 9m. p.m. |
| Full Moon, | 21d. 10h. 11m. a.m. | 21d. 9h. 11m. a.m. |
| Last Quarter, | 28d. 11h. 51m. a.m. | 28d. 10h. 51m. a.m. |

1894

Latitude of Boston
and Chicago.

Latitude of New York
and Philadelphia.

Lat. of Wash.
Cin. & St. Louis

| M. D. of M. of Week. | Sun. R. & S. h. m. | Moon R. & S. h. m. | Bost. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. | N. Y. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. |
|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 Mo | r7 30 | 2 35 | 6 36 | r7 25 | 2 31 | 3 34 | r7 19 | 2 29 |
| 2 Tu | s4 39 | 3 40 | 7 30 | s4 44 | 3 35 | 4 26 | s4 50 | 3 30 |
| 3 We | r7 30 | 4 44 | 8 22 | r7 25 | 4 38 | 5 19 | r7 19 | 4 32 |
| 4 Th | s4 41 | 5 46 | 9 13 | s4 46 | 5 39 | 6 11 | s4 52 | 5 32 |
| 5 Fr | r7 30 | 6 44 | 10 3 | r7 25 | 6 37 | 7 1 | r7 19 | 6 29 |
| 6 Sa | s4 43 | sets. | 10 50 | s4 48 | sets. | 7 45 | s4 53 | sets. |
| 7 S | r7 29 | 5 3 | 11 33 | r7 25 | 5 9 | 8 29 | r7 19 | 5 17 |
| 8 Mo | s4 45 | 6 7 | .... | s4 50 | 6 12 | 9 14 | s4 55 | 6 19 |
| 9 Tu | r7 29 | 7 12 | 0 36 | r7 24 | 7 16 | 9 54 | r7 19 | 7 21 |
| 10 We | s4 47 | 8 18 | 1 16 | s4 52 | 8 21 | 10 31 | s4 57 | 8 25 |
| 11 Th | r7 29 | 9 24 | 1 55 | r7 24 | 9 26 | 11 9 | r7 19 | 9 28 |
| 12 Fr | s4 49 | 10 30 | 2 34 | s4 54 | 10 30 | 11 50 | s4 59 | 10 31 |
| 13 Sa | r7 28 | 11 37 | 3 13 | r7 23 | 11 36 | 0 11 | r7 18 | 11 35 |
| 14 S | s4 52 | morn | 3 57 | s4 56 | morn | 0 56 | s5 1 | morn |
| 15 Mo | r7 27 | 0 47 | 4 46 | r7 22 | 0 44 | 1 45 | r7 17 | 0 43 |
| 16 Tu | s4 54 | 2 2 | 5 44 | s4 59 | 1 58 | 2 42 | s5 4 | 1 55 |
| 17 We | r7 26 | 3 21 | 6 50 | r7 21 | 3 16 | 3 47 | r7 17 | 3 10 |
| 18 Th | s4 56 | 4 40 | 7 59 | s5 1 | 4 33 | 4 55 | s5 6 | 4 27 |
| 19 Fr | r7 25 | 5 54 | 9 8 | r7 20 | 5 46 | 6 6 | r7 16 | 5 39 |
| 20 Sa | s4 59 | 6 58 | 10 16 | s5 3 | 6 51 | 7 13 | s5 8 | 6 44 |
| 21 S | r7 23 | rises | 11 14 | r7 19 | rises | 8 8 | r7 15 | rises |
| 22 Mo | s5 1 | 6 23 | .... | s5 6 | 6 27 | 9 5 | s5 10 | 6 32 |
| 23 Tu | r7 22 | 7 43 | 0 31 | r7 18 | 7 46 | 9 52 | r7 14 | 7 49 |
| 24 We | s5 4 | 8 57 | 1 17 | s5 8 | 8 53 | 10 35 | s5 12 | 9 0 |
| 25 Th | r7 21 | 10 8 | 2 1 | r7 16 | 10 8 | 11 16 | r7 12 | 10 8 |
| 26 Fr | s5 6 | 11 16 | 2 43 | s5 10 | 11 14 | .... | s5 15 | 11 13 |
| 27 Sa | r7 19 | morn | 3 25 | r7 15 | morn | 0 23 | r7 11 | morn |
| 28 S | s5 9 | 0 23 | 4 9 | s5 13 | 0 20 | 1 9 | s5 17 | 0 18 |
| 29 Mo | r7 17 | 1 30 | 5 0 | r7 13 | 1 26 | 1 59 | r7 9 | 1 22 |
| 30 Tu | s5 12 | 2 36 | 5 55 | s5 15 | 2 30 | 2 53 | s5 19 | 2 25 |
| 31 We | r7 15 | 3 39 | 6 53 | r7 11 | 3 33 | 3 50 | r7 8 | 3 26 |



FEBRUARY

| MOON'S PHASES. (In Standard Time.) | EASTERN DIVISION. | CENTRAL DIVISION. |
|---------------------------------------|--------------------|--------------------|
| New Moon, | 5d. 4h. 45m. p.m. | 5d. 3h. 45m. p.m. |
| First Quarter, | 13d. 5h. 43m. a.m. | 13d. 4h. 43m. a.m. |
| Full Moon, | 19d. 9h. 16m. p.m. | 19d. 8h. 16m. p.m. |
| Last Quarter, | 27d. 7h. 28m. a.m. | 27d. 6h. 28m. a.m. |



MOON'S PHASES.
(In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

| | | |
|------------------------|--------------------|--------------------|
| New Moon, | 7d. 9h. 18m. a.m. | 7d. 8h. 18m. a.m. |
| First Quarter, | 14d. 1h. 28m. p.m. | 14d. 0h. 28m. p.m. |
| Full Moon, | 21d. 9h. 11m. a.m. | 21d. 8h. 11m. a.m. |
| Last Quarter, | 29d. 3h. 28m. a.m. | 29d. 2h. 28m. a.m. |

1894

Latitude of Boston
and Chicago.

Latitude of New York
and Philadelphia.

Lat. of Wash.
Cin. & St. Louis

| D. of M. | Day of Week. | Sun. R. & S. h. m. | Moon R. & S. h. m. | Bost. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. | N. Y. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. |
|----------|--------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | Th | r6 36 | 3 24 | 6 21 | r6 35 | 3 17 | 3 19 | r6 33 | 3 9 |
| 2 | Fr | s5 51 | 4 13 | 7 24 | s5 52 | 4 6 | 4 20 | s5 54 | 3 58 |
| 3 | Sa | r6 33 | 4 54 | 8 21 | r6 31 | 4 48 | 5 19 | r6 30 | 4 41 |
| 4 | S | s5 54 | 5 27 | 9 15 | s5 55 | 5 22 | 6 12 | s5 56 | 5 16 |
| 5 | Mo | r6 29 | 5 54 | 10 1 | r6 28 | 5 50 | 7 0 | r6 27 | 5 45 |
| 6 | Tu | s5 56 | 6 17 | 10 33 | s5 57 | 6 14 | 7 39 | s5 58 | 6 12 |
| 7 | We | r6 26 | sets. | 11 21 | r6 25 | sets. | 8 16 | r6 24 | sets. |
| 8 | Th | s5 58 | 7 20 | 11 57 | s5 59 | 7 20 | 8 54 | s6 0 | 7 20 |
| 9 | Fr | r6 23 | 8 29 | 0 15 | r6 22 | 8 27 | 9 32 | r6 21 | 8 26 |
| 10 | Sa | s6 1 | 9 41 | 0 53 | s6 1 | 9 38 | 10 9 | s6 2 | 9 35 |
| 11 | S | r6 19 | 10 56 | 1 33 | r6 19 | 10 51 | 10 49 | r6 18 | 10 47 |
| 12 | Mo | s6 3 | morn | 2 18 | s6 3 | morn | 11 37 | s6 4 | morn |
| 13 | Tu | r6 16 | 0 13 | 3 6 | r6 15 | 0 7 | 0 4 | r6 15 | 0 1 |
| 14 | We | s6 5 | 1 27 | 4 7 | s6 6 | 1 20 | 1 6 | s6 6 | 1 13 |
| 15 | Th | r6 12 | 2 35 | 5 17 | r6 12 | 2 27 | 2 15 | r6 12 | 2 20 |
| 16 | Fr | s6 8 | 3 33 | 6 34 | s6 8 | 3 26 | 3 31 | s6 8 | 3 19 |
| 17 | Sa | r6 9 | 4 19 | 7 47 | r6 9 | 4 13 | 4 44 | r6 9 | 4 7 |
| 18 | S | s6 10 | 4 54 | 8 52 | s6 10 | 4 49 | 5 49 | s6 10 | 4 45 |
| 19 | Mo | r6 6 | 5 22 | 9 47 | r6 6 | 5 19 | 6 45 | r6 6 | 5 17 |
| 20 | Tu | s6 12 | 5 45 | 10 35 | s6 12 | 5 43 | 7 30 | s6 12 | 5 43 |
| 21 | We | r6 2 | rises | 11 16 | r6 2 | rises | 8 10 | r6 2 | rises |
| 22 | Th | s6 14 | 7 45 | 11 53 | s6 14 | 7 43 | 8 50 | s6 14 | 7 42 |
| 23 | Fr | r5 59 | 8 53 | 0 12 | r5 59 | 8 50 | 9 30 | r5 59 | 8 47 |
| 24 | Sa | s6 16 | 10 3 | 0 51 | s6 16 | 9 58 | 10 8 | s6 16 | 9 54 |
| 25 | S | r5 55 | 11 12 | 1 32 | r5 56 | 11 6 | 10 47 | r5 56 | 11 0 |
| 26 | Mo | s6 19 | morn | 2 15 | s6 18 | morn | 11 32 | s6 18 | morn |
| 27 | Tu | r5 52 | 0 17 | 3 0 | r5 52 | 0 10 | .... | r5 53 | 0 3 |
| 28 | We | s6 21 | 1 16 | 3 52 | s6 20 | 1 9 | 0 51 | s6 19 | 1 1 |
| 29 | Th | r5 48 | 2 7 | 4 49 | r5 49 | 2 0 | 1 48 | r5 50 | 1 52 |
| 30 | Fr | s6 23 | 2 51 | 5 49 | s6 22 | 2 44 | 2 47 | s6 21 | 2 37 |
| 31 | Sa | r5 45 | 3 27 | 6 51 | r5 45 | 3 21 | 3 48 | r5 47 | 3 15 |

APRIL.

**MOON'S PHASES.
(In Standard Time.)**

New Moon,
First Quarter,
Full Moon,
Last Quarter,

5d. 11h. 0m. p.m.
12d. 7h. 32m. p.m.
19d. 10h. 1m. p.m.
27d. 10h. 20m. p.m.

5d. 10h. 0m. p.m.
12d. 6h. 32m. p.m.
19d. 9h. 1m. p.m.
27d. 9h. 20m. p.m.

1894

 Latitude of Boston
and Chicago.

 Latitude of New York
and Philadelphia.

 Lat. of Wash.
Cin. & St. Louis

| D. of M. | Day of Week | Sun. R. & S. h. m. | Moon R. & S. h. m. | Bost. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. | N. Y. Tide. Morn'g | Sun R. & S. h. m. | Moon R. & S. h. m. |
|----------|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|
| 1 | S | r5 43 | 3 56 | 7 48 | r5 44 | 3 51 | 4 45 | r5 45 | 3 46 |
| 2 | Mo | s6 27 | 4 20 | 8 38 | s6 26 | 4 16 | 5 36 | s6 24 | 4 14 |
| 3 | Tu | r5 39 | 4 41 | 9 25 | r5 41 | 4 39 | 6 23 | r5 42 | 4 37 |
| 4 | We | s6 29 | 5 1 | 10 8 | s6 28 | 5 0 | 7 5 | s6 26 | 5 0 |
| 5 | Th | r5 36 | 5 21 | 10 48 | r5 37 | 5 21 | 7 42 | r5 39 | 5 23 |
| 6 | Fr | s6 31 | sets. | 11 26 | s6 30 | sets. | 8 20 | s6 28 | sets. |
| 7 | Sa | r5 33 | 8 41 | ..... | r5 34 | 8 37 | 9 3 | r5 36 | 8 33 |
| 8 | S | s6 33 | 10 0 | 0 27 | s6 32 | 9 54 | 9 47 | s6 30 | 9 49 |
| 9 | Mo | r5 29 | 11 17 | 1 13 | r5 31 | 11 10 | 10 33 | r5 33 | 11 3 |
| 10 | Tu | s6 36 | morn | 2 4 | s6 34 | morn | 11 27 | s6 32 | morn |
| 11 | We | r5 26 | 0 28 | 3 1 | r5 28 | 0 21 | ..... | r5 30 | 0 13 |
| 12 | Th | s6 38 | 1 29 | 4 5 | s6 36 | 1 21 | 1 4 | s6 34 | 1 14 |
| 13 | Fr | r5 23 | 2 18 | 5 16 | r5 25 | 2 12 | 2 14 | r5 27 | 2 5 |
| 14 | Sa | s6 40 | 2 56 | 6 28 | s6 38 | 2 51 | 3 25 | s6 36 | 2 46 |
| 15 | S | r5 19 | 3 27 | 7 33 | r5 21 | 3 23 | 4 29 | r5 24 | 3 20 |
| 16 | Mo | s6 42 | 3 52 | 8 30 | s6 40 | 3 49 | 5 27 | s6 38 | 3 48 |
| 17 | Tu | r5 16 | 4 12 | 9 19 | r5 18 | 4 11 | 6 17 | r5 21 | 4 11 |
| 18 | We | s6 45 | 4 31 | 10 3 | s6 42 | 4 32 | 7 1 | s6 40 | 4 33 |
| 19 | Th | r5 13 | 4 52 | 10 44 | r5 15 | 4 54 | 7 39 | r5 18 | 4 57 |
| 20 | Fr | s6 47 | rises | 11 22 | s6 44 | rises | 8 16 | s6 42 | rises |
| 21 | Sa | r5 10 | 8 54 | ..... | r5 13 | 8 49 | 8 59 | r5 15 | 8 43 |
| 22 | S | s6 49 | 10 2 | 0 21 | s6 46 | 9 56 | 9 40 | s6 44 | 9 49 |
| 23 | Mo | r5 7 | 11 3 | 1 3 | r5 10 | 10 56 | 10 22 | r5 13 | 10 48 |
| 24 | Tu | s6 51 | 11 58 | 1 48 | s6 48 | 11 50 | 11 6 | s6 45 | 11 43 |
| 25 | We | r5 4 | morn | 2 36 | r5 7 | morn | 11 57 | r5 10 | morn |
| 26 | Th | s6 53 | 0 46 | 3 25 | s6 50 | 0 39 | 0 23 | s6 47 | 0 31 |
| 27 | Fr | r5 1 | 1 25 | 4 18 | r5 4 | 1 19 | 1 17 | r5 7 | 1 12 |
| 28 | Sa | s6 56 | 1 56 | 5 13 | s6 52 | 1 51 | 2 11 | s6 49 | 1 45 |
| 29 | S | r4 58 | 2 22 | 6 10 | r5 1 | 2 18 | 3 7 | r5 5 | 2 14 |
| 30 | Mo | s6 58 | 2 44 | 7 4 | s6 54 | 2 41 | 4 1 | s6 51 | 2 39 |

MAY



MOON'S PHASES.
(In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

| | | |
|------------------------|---------------------|---------------------|
| New Moon, | 5d. 9h. 42m. a.m. | 5d. 8h. 42m. a.m. |
| First Quarter, | 12d. 1h. 21m. a.m. | 12d. 0h. 21m. a.m. |
| Full Moon, | 19d. 11h. 43m. a.m. | 19d. 10h. 43m. a.m. |
| Last Quarter, | 27d. 3h. 4m. p.m. | 27d. 2h. 4m. p.m. |

1894

Latitude of Boston
and Chicago.

Latitude of New York
and Philadelphia.

Lat. of Wash.
Cin. & St. Louis

| D. of M. | D. of Week. | Sun. R. & S. h. m. | Moon R. & S. h. m. | Bost. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. | N. Y. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. |
|----------|-------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 Tu | r4 55 | 3 4 | 7 54 | r4 59 | 3 2 | 4 51 | r5 2 | 3 2 | |
| 2 We | s7 0 | 3 24 | 8 42 | s6 57 | 3 23 | 5 39 | s6 53 | 3 25 | |
| 3 Th | r4 53 | 3 44 | 9 26 | r4 56 | 3 45 | 6 25 | r5 0 | 3 47 | |
| 4 Fr | s7 2 | 4 6 | 10 13 | s6 59 | 4 9 | 7 10 | s6 55 | 4 12 | |
| 5 Sa | r4 50 | sets. | 10 58 | r4 54 | sets. | 7 52 | r4 58 | sets. | |
| 6 S | s7 5 | 8 57 | 11 44 | s7 1 | 8 51 | 8 40 | s6 57 | 8 44 | |
| 7 Mo | r4 48 | 10 15 | 0 9 | r4 51 | 10 8 | 9 34 | r4 55 | 10 0 | |
| 8 Tu | s7 7 | 11 22 | 1 2 | s7 3 | 11 15 | 10 27 | s6 59 | 11 7 | |
| 9 We | r4 45 | morn | 2 1 | r4 49 | morn | 11 25 | r4 53 | morn | |
| 10 Th | s7 9 | 0 16 | 2 59 | s7 5 | 0 9 | .... | s7 1 | 0 3 | |
| 11 Fr | r4 43 | 0 58 | 4 0 | r4 47 | 0 53 | 0 59 | r4 51 | 0 47 | |
| 12 Sa | s7 11 | 1 30 | 5 4 | s7 7 | 1 26 | 2 2 | s7 2 | 1 22 | |
| 13 S | r4 41 | 1 55 | 6 5 | r4 45 | 1 52 | 3 3 | r4 49 | 1 51 | |
| 14 Mo | s7 13 | 2 16 | 7 3 | s7 9 | 2 15 | 4 0 | s7 4 | 2 15 | |
| 15 Tu | r4 39 | 2 37 | 7 56 | r4 43 | 2 37 | 4 52 | r4 47 | 2 38 | |
| 16 We | s7 15 | 2 57 | 8 43 | s7 11 | 2 58 | 5 41 | s7 6 | 3 1 | |
| 17 Th | r4 37 | 3 18 | 9 29 | r4 41 | 3 21 | 6 27 | r4 46 | 3 25 | |
| 18 Fr | s7 17 | 3 41 | 10 14 | s7 13 | 3 45 | 7 11 | s7 8 | 3 50 | |
| 19 Sa | r4 35 | rises | 10 56 | r4 39 | rises | 7 50 | r4 44 | rises | |
| 20 S | s7 19 | 8 52 | 11 37 | s7 14 | 8 45 | 8 33 | s7 9 | 8 38 | |
| 21 Mo | r4 33 | 9 51 | ..... | r4 38 | 9 44 | 9 18 | r4 43 | 9 36 | |
| 22 Tu | s7 21 | 10 41 | 0 43 | s7 16 | 10 34 | 10 4 | s7 11 | 10 26 | |
| 23 We | r4 31 | 11 21 | 1 28 | r4 36 | 11 16 | 10 45 | r4 41 | 11 9 | |
| 24 Th | s7 23 | 11 56 | 2 14 | s7 18 | 11 50 | 11 32 | s7 13 | 11 45 | |
| 25 Fr | r4 30 | morn | 3 0 | r4 35 | morn | .... | r4 40 | morn | |
| 26 Sa | s7 25 | 0 23 | 3 45 | s7 20 | 0 18 | 0 44 | s7 14 | 0 14 | |
| 27 S | r4 28 | 0 46 | 4 33 | r4 33 | 0 43 | 1 31 | r4 39 | 0 40 | |
| 28 Mo | s7 27 | 1 7 | 5 22 | s7 21 | 1 5 | 2 20 | s7 16 | 1 4 | |
| 29 Tu | r4 27 | 1 26 | 6 13 | r4 32 | 1 25 | 3 10 | r4 38 | 1 25 | |
| 30 We | s7 28 | 1 45 | 7 6 | s7 23 | 1 46 | 4 2 | s7 18 | 1 47 | |
| 31 Th | r4 26 | 2 6 | 7 57 | r4 31 | 2 8 | 4 54 | r4 37 | 2 11 | |



JUNE

MOON'S PHASES. (In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

| | | |
|------------------------|--------------------|--------------------|
| New Moon, | 3d. 5h. 56m. p.m. | 3d. 4h. 56m. p.m. |
| First Quarter, | 10d. 8h. 14m. a.m. | 10d. 7h. 14m. a.m. |
| Full Moon, | 18d. 2h. 6m. a.m. | 18d. 1h. 6m. a.m. |
| Last Quarter, | 26d. 5h. 2m. a.m. | 26d. 4h. 2m. a.m. |

| 1894 | | Latitude of Boston and Chicago. | | | Latitude of New York and Philadelphia. | | | Lat. of Wash. Cin. & St. Louis | |
|----------|--------------|------------------------------------|--------------------------|--------------------------|---|--------------------------|--------------------------|-----------------------------------|--------------------------|
| D. of M. | Day of Week. | Sun. R. & S. h. m. | Moon R. & S. h. m. | Bost. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. | N. Y. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. |
| 1 | Fr | r4 26 | 2 30 | 8 49 | r4 31 | 2 33 | 5 46 | r4 36 | 2 38 |
| 2 | Sa | s7 30 | 3 0 | 9 42 | s7 25 | 3 5 | 6 40 | s7 20 | 3 11 |
| 3 | S | r4 25 | 3 38 | 10 38 | r4 30 | 3 44 | 7 33 | r4 36 | 3 51 |
| 4 | Mo | s7 32 | sets. | 11 33 | s7 27 | sets. | 8 28 | s7 21 | sets. |
| 5 | Tu | r4 24 | 10 7 | 0 0 | r4 29 | 10 0 | 9 27 | r4 35 | 9 53 |
| 6 | We | s7 33 | 10 54 | 0 58 | s7 28 | 10 48 | 10 22 | s7 22 | 10 42 |
| 7 | Th | r4 23 | 11 30 | 1 55 | r4 29 | 11 25 | 11 17 | r4 34 | 11 21 |
| 8 | Fr | s7 35 | 11 58 | 2 49 | s7 29 | 11 55 | ..... | s7 23 | 11 53 |
| 9 | Sa | r4 23 | morn | 3 42 | r4 28 | morn | 0 41 | r4 34 | morn |
| 10 | S | s7 36 | 0 21 | 4 36 | s7 30 | 0 19 | 1 35 | s7 24 | 0 19 |
| 11 | Mo | r4 22 | 0 42 | 5 31 | r4 28 | 0 42 | 2 29 | r4 34 | 0 43 |
| 12 | Tu | s7 37 | 1 2 | 6 24 | s7 31 | 1 3 | 3 21 | s7 25 | 1 5 |
| 13 | We | r4 22 | 1 22 | 7 16 | r4 28 | 1 24 | 4 13 | r4 34 | 1 25 |
| 14 | Th | s7 38 | 1 46 | 8 8 | s7 32 | 1 49 | 5 5 | s7 26 | 1 51 |
| 15 | Fr | r4 22 | 2 11 | 8 58 | r4 28 | 2 16 | 5 56 | r4 34 | 2 22 |
| 16 | Sa | s7 38 | 2 42 | 9 47 | s7 33 | 2 48 | 6 45 | s7 27 | 2 55 |
| 17 | S | r4 22 | 3 19 | 10 35 | r4 28 | 3 26 | 7 30 | r4 34 | 3 34 |
| 18 | Mo | s7 39 | rises | 11 19 | s7 33 | rises | 8 13 | s7 28 | rises |
| 19 | Tu | r4 23 | 9 20 | ..... | r4 28 | 9 13 | 9 0 | r4 34 | 9 6 |
| 20 | We | s7 40 | 9 56 | 0 24 | s7 34 | 9 50 | 9 44 | s7 28 | 9 44 |
| 21 | Th | r4 23 | 10 25 | 1 7 | r4 29 | 10 20 | 10 24 | r4 34 | 10 15 |
| 22 | Fr | s7 40 | 10 50 | 1 48 | s7 34 | 10 46 | 11 3 | s7 29 | 10 43 |
| 23 | Sa | r4 23 | 11 11 | 2 29 | r4 29 | 11 8 | 11 45 | r4 35 | 11 7 |
| 24 | S | s7 40 | 11 30 | 3 8 | s7 35 | 11 29 | 0 6 | s7 29 | 11 29 |
| 25 | Mo | r4 24 | 11 48 | 3 50 | r4 30 | 11 48 | 0 49 | r4 35 | 11 49 |
| 26 | Tu | s7 40 | morn | 4 34 | s7 35 | morn | 1 33 | s7 29 | morn |
| 27 | We | r4 25 | 0 8 | 5 24 | r4 30 | 0 9 | 2 22 | r4 36 | 0 12 |
| 28 | Th | s7 40 | 0 30 | 6 19 | s7 35 | 0 33 | 3 16 | s7 29 | 0 37 |
| 29 | Fr | r4 25 | 0 56 | 7 16 | r4 31 | 1 0 | 4 13 | r4 37 | 1 5 |
| 30 | Sa | s7 40 | 1 29 | 8 20 | s7 35 | 1 34 | 5 16 | s7 29 | 1 41 |

JULY

MOON'S PHASES.
(In Standard Time.)

New Moon,
First Quarter,
Full Moon,
Last Quarter,

EASTERN DIVISION.

3d. Oh. 45m. a.m.
9d. 5h. 15m. p.m.
17d. 5h. 3m. p.m.
25d. 4h. 7m. p.m.

CENTRAL DIVISION.

2d. 11h. 45m. p.m.
9d. 4h. 15m. p.m.
17d. 4h. 3m. p.m.
25d. 3h. 7m. p.m.

1894

 Latitude of Boston
and Chicago.

 Latitude of New York
and Philadelphia.

 Lat. of Wash.
Cin. & St. Louis

| D. of M. | Day of Week. | Sun. R. & S. h. m. | Moon R. & S. h. m. | Bost. Tide. Morn'g | Sun R. & S. h. m. | Moon R. & S. h. m. | N. Y. Tide. Morn'g | Sun R. & S. h. m. | Moon R. & S. h. m. |
|----------|--------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|-------------------------|--------------------------|
| 1 | S | r4 26 | 2 12 | 9 24 | r4 32 | 2 19 | 6 22 | r4 38 | 2 27 |
| 2 | Mo | s7 40 | 3 9 | 10 26 | s7 34 | 3 16 | 7 22 | s7 29 | 3 25 |
| 3 | Tu | r4 27 | sets. | 11 27 | r4 33 | sets. | 8 21 | r4 39 | sets. |
| 4 | We | s7 40 | 9 27 | ..... | s7 34 | 9 22 | 9 20 | s7 29 | 9 18 |
| 5 | Th | r4 29 | 9 58 | 0 49 | r4 34 | 9 54 | 10 12 | r4 40 | 9 51 |
| 6 | Fr | s7 39 | 10 24 | 1 40 | s7 34 | 10 22 | 10 59 | s7 28 | 10 21 |
| 7 | Sa | r4 30 | 10 46 | 2 28 | r4 36 | 10 45 | 11 46 | r4 41 | 10 46 |
| 8 | S | s7 38 | 11 7 | 3 13 | s7 33 | 11 8 | 0 11 | s7 27 | 11 9 |
| 9 | Mo | r4 31 | 11 28 | 4 0 | r4 37 | 11 30 | 0 59 | r4 42 | 11 33 |
| 10 | Tu | s7 38 | 11 50 | 4 49 | s7 32 | 11 53 | 1 47 | s7 27 | 11 58 |
| 11 | We | r4 33 | morn | 5 43 | r4 38 | morn | 2 41 | r4 44 | morn |
| 12 | Th | s7 37 | 0 14 | 6 39 | s7 31 | 0 19 | 3 36 | s7 26 | 0 24 |
| 13 | Fr | r4 34 | 0 43 | 7 35 | r4 40 | 0 49 | 4 31 | r4 45 | 0 56 |
| 14 | Sa | s7 35 | 1 19 | 8 32 | s7 30 | 1 26 | 5 29 | s7 25 | 1 34 |
| 15 | S | r4 36 | 2 3 | 9 25 | r4 41 | 2 10 | 6 23 | r4 46 | 2 19 |
| 16 | Mo | s7 34 | 2 54 | 10 16 | s7 29 | 3 1 | 7 13 | s7 24 | 3 10 |
| 17 | Tu | r4 38 | rises | 11 1 | r4 43 | rises | 7 55 | r4 48 | rises |
| 18 | We | s7 33 | 8 28 | 11 42 | s7 28 | 8 23 | 8 39 | s7 23 | 8 18 |
| 19 | Th | r4 39 | 8 54 | 0 2 | r4 44 | 8 50 | 9 20 | r4 49 | 8 47 |
| 20 | Fr | s7 31 | 9 16 | 0 41 | s7 27 | 9 13 | 9 58 | s7 21 | 9 11 |
| 21 | Sa | r4 41 | 9 36 | 1 19 | r4 46 | 9 34 | 10 32 | r4 51 | 9 34 |
| 22 | S | s7 29 | 9 54 | 1 56 | s7 25 | 9 54 | 11 8 | s7 20 | 9 54 |
| 23 | Mo | r4 43 | 10 12 | 2 32 | r4 48 | 10 13 | 11 47 | r4 53 | 10 15 |
| 24 | Tu | s7 28 | 10 32 | 3 10 | s7 23 | 10 34 | 0 7 | s7 18 | 10 38 |
| 25 | We | r4 45 | 10 55 | 3 53 | r4 49 | 10 59 | 0 52 | r4 54 | 11 3 |
| 26 | Th | s7 26 | 11 24 | 4 44 | s7 21 | 11 29 | 1 43 | s7 18 | 11 35 |
| 27 | Fr | r4 47 | morn | 5 43 | r4 51 | morn | 2 41 | r4 56 | morn |
| 28 | Sa | s7 24 | 0 1 | 6 50 | s7 20 | 0 7 | 3 47 | s7 15 | 0 15 |
| 29 | S | r4 49 | 0 50 | 8 4 | r4 53 | 0 57 | 5 0 | r4 58 | 1 6 |
| 30 | Mo | s7 22 | 1 53 | 9 13 | s7 18 | 2 0 | 6 12 | s7 13 | 2 9 |
| 31 | Tu | r4 51 | 3 11 | 10 19 | r4 55 | 3 17 | 7 15 | r5 0 | 3 25 |



MOON'S PHASES.
(In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

| | | | | |
|--------------------------|------|---------------|------|----------------|
| New Moon, | 1d. | 7h. 24m. a.m. | 1d. | 6h. 24m. a.m. |
| First Quarter, | 8d. | 5h. 5m. a.m. | 8d. | 4h. 5m. a.m. |
| Full Moon, | 16d. | 8h. 17m. a.m. | 16d. | 7h. 17m. a.m. |
| Last Quarter, | 24d. | 0h. 40m. a.m. | 23d. | 11h. 40m. p.m. |
| New Moon, | 30d. | 3h. 4m. p.m. | 30d. | 2h. 4m. p.m. |

1894

Latitude of Boston
and Chicago.

Latitude of New York
and Philadelphia.

Lat. of Wash.
Cin. & St. Louis

| D. of M. | Day of Week. | Sun. R. & S. h. m. | Moon R. & S. h. m. | Bost. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. | N. Y. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. |
|----------|--------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 We | r4 52 | sets. | II 16 | r4 56 | sets. | 8 12 | r5 0 | sets. | |
| 2 Th | s7 18 | 8 23 | .... | s7 15 | 8 20 | 9 3 | s7 10 | 8 18 | |
| 3 Fr | r4 54 | 8 47 | 0 29 | r4 58 | 8 46 | 9 50 | r5 2 | 8 45 | |
| 4 Sa | s7 16 | 9 9 | I 15 | s7 12 | 9 9 | 10 32 | s7 8 | 9 10 | |
| 5 S | r4 56 | 9 30 | I 58 | r5 0 | 9 32 | 11 13 | r5 4 | 9 34 | |
| 6 Mo | s7 14 | 9 52 | 2 39 | s7 10 | 9 55 | 11 58 | s7 6 | 9 59 | |
| 7 Tu | r4 58 | 10 16 | 3 23 | r5 2 | 10 20 | 0 21 | r5 6 | 10 26 | |
| 8 We | s7 11 | 10 44 | 4 11 | s7 7 | 10 49 | I 10 | s7 4 | 10 56 | |
| 9 Th | r5 0 | 11 18 | 5 5 | r5 4 | 11 24 | 2 3 | r5 7 | 11 32 | |
| 10 Fr | s7 8 | 11 59 | 6 4 | s7 5 | morn | 3 2 | s7 1 | morn | |
| 11 Sa | r5 2 | morn | 7 6 | r5 6 | 0 6 | 4 3 | r5 9 | 0 15 | |
| 12 S | s7 6 | 0 48 | 8 7 | s7 2 | 0 55 | 5 4 | s6 59 | I 4 | |
| 13 Mo | r5 4 | I 44 | 9 3 | r5 8 | I 51 | 6 I | r5 11 | I 59 | |
| 14 Tu | s7 3 | 2 46 | 9 53 | s7 0 | 2 52 | 6 51 | s6 56 | 2 59 | |
| 15 We | r5 7 | 3 51 | 10 39 | r5 10 | 3 56 | 7 34 | r5 13 | 4 2 | |
| 16 Th | s7 0 | rises | II 17 | s6 57 | rises | 8 11 | s6 54 | rises | |
| 17 Fr | r5 9 | 7 42 | II 53 | r5 12 | 7 40 | 8 50 | r5 15 | 7 39 | |
| 18 Sa | s6 57 | 8 0 | 0 10 | s6 54 | 7 59 | 9 26 | s6 51 | 8 0 | |
| 19 S | r5 11 | 8 18 | 0 45 | r5 14 | 8 19 | 10 1 | r5 17 | 8 20 | |
| 20 Mo | s6 54 | 8 38 | I 21 | s6 51 | 8 40 | 10 34 | s6 48 | 8 43 | |
| 21 Tu | r5 13 | 9 0 | I 58 | r5 16 | 9 3 | 11 12 | r5 18 | 9 8 | |
| 22 We | s6 51 | 9 26 | 2 38 | s6 48 | 9 31 | 11 57 | s6 45 | 9 36 | |
| 23 Th | r5 15 | 9 59 | 3 24 | r5 18 | 10 5 | 0 22 | r5 20 | 10 12 | |
| 24 Fr | s6 48 | 10 42 | 4 18 | s6 45 | 10 49 | I 17 | s6 43 | 10 57 | |
| 25 Sa | r5 17 | 11 37 | 5 25 | r5 20 | 11 45 | 2 23 | r5 22 | 11 53 | |
| 26 S | s6 44 | morn | 6 41 | s6 42 | morn | 3 38 | s6 40 | morn | |
| 27 Mo | r5 19 | 0 45 | 7 57 | r5 22 | 0 52 | 4 54 | r5 24 | I I | |
| 28 Tu | s6 41 | 2 4 | 9 6 | s6 39 | 2 10 | 6 4 | s6 37 | 2 17 | |
| 29 We | r5 21 | 3 28 | 10 7 | r5 23 | 3 33 | 7 4 | r5 26 | 3 38 | |
| 30 Th | s6 38 | sets. | 10 58 | s6 36 | sets. | 7 52 | s6 34 | sets. | |
| 31 Fr | r5 23 | 7 10 | II 41 | r5 25 | 7 9 | 8 37 | r5 28 | 7 10 | |

SEPTEMBER



MOON'S PHASES.
(In Standard Time.)

First Quarter,
Full Moon,
Last Quarter,
New Moon,

EASTERN DIVISION.

6d. 8h. 3m. p.m.
14d. 11h. 21m. p.m.
22d. 7h. 32m. a.m.
29d. 0h. 44m. a.m.

CENTRAL DIVISION.

6d. 7h. 3m. p.m.
14d. 10h. 21m. p.m.
22d. 6h. 32m. a.m.
28d. 11h. 44m. p.m.

1894

Latitude of Boston
and Chicago.

Latitude of New York
and Philadelphia.

Lat. of Wash.
Cin. & St. Louis

| D. of M. | Day of Week. | Sun. R. & S. h. m. | Moon R. & S. h. m. | Bost. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. | N. Y. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. |
|----------|--------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | Sa | r5 24 | 7 32 | 0 2 | r5 26 | 7 33 | 9 21 | r5 28 | 7 35 |
| 2 | Su | s6 33 | 7 53 | 0 43 | s6 31 | 7 55 | 10 1 | s6 29 | 7 59 |
| 3 | Mo | r5 27 | 8 16 | 1 24 | r5 28 | 8 20 | 10 40 | f5 30 | 8 24 |
| 4 | Tu | s6 29 | 8 44 | 2 7 | s6 28 | 8 49 | 11 23 | s6 26 | 8 55 |
| 5 | We | r5 29 | 9 17 | 2 50 | r5 30 | 9 23 | .... | r5 32 | 9 30 |
| 6 | Th | s6 26 | 9 56 | 3 39 | s6 24 | 10 3 | 0 38 | s6 23 | 10 11 |
| 7 | Fr | r5 31 | 10 42 | 4 34 | r5 32 | 10 50 | 1 33 | r5 34 | 10 58 |
| 8 | Sa | s6 22 | 11 36 | 5 37 | s6 21 | 11 43 | 2 35 | s6 20 | 11 52 |
| 9 | Su | r5 33 | morn | 6 40 | r5 34 | morn | 3 37 | r5 36 | morn |
| 10 | Mo | s6 19 | 0 36 | 7 41 | s6 18 | 0 42 | 4 37 | s6 17 | 0 50 |
| 11 | Tu | r5 35 | 1 39 | 8 35 | r5 36 | 1 45 | 5 32 | r5 37 | 1 51 |
| 12 | We | s6 15 | 2 44 | 9 23 | s6 14 | 2 48 | 6 21 | s6 13 | 2 54 |
| 13 | Th | r5 37 | 3 50 | 10 6 | r5 38 | 3 53 | 7 4 | r5 39 | 3 57 |
| 14 | Fr | s6 12 | 4 54 | 10 45 | s6 11 | 4 56 | 7 40 | s6 10 | 4 56 |
| 15 | Sa | r5 39 | rises | 11 20 | r5 40 | rises | 8 14 | r5 41 | rises |
| 16 | Su | s6 8 | 6 44 | 11 54 | s6 8 | 6 46 | 8 52 | s6 7 | 6 48 |
| 17 | Mo | r5 41 | 7 4 | 0 12 | r5 42 | 7 7 | 9 30 | r5 43 | 7 10 |
| 18 | Tu | s6 5 | 7 28 | 0 50 | s6 4 | 7 32 | 10 8 | s6 4 | 7 37 |
| 19 | We | r5 44 | 7 59 | 1 31 | r5 44 | 8 4 | 10 48 | r5 44 | 8 11 |
| 20 | Th | s6 1 | 8 38 | 2 16 | s6 1 | 8 45 | 11 37 | s6 1 | 8 52 |
| 21 | Fr | r5 46 | 9 28 | 3 8 | r5 46 | 9 35 | 0 5 | r5 46 | 9 44 |
| 22 | Sa | s5 58 | 10 31 | 4 9 | s5 58 | 10 38 | 1 8 | s5 57 | 10 47 |
| 23 | Su | r5 48 | 11 45 | 5 20 | r5 48 | 11 51 | 2 19 | r5 48 | 11 59 |
| 24 | Mo | s5 54 | morn | 6 35 | s5 54 | morn | 3 33 | s5 54 | morn |
| 25 | Tu | r5 50 | 1 5 | 7 48 | r5 50 | 1 10 | 4 44 | r5 50 | 1 17 |
| 26 | We | s5 51 | 2 26 | 8 51 | s5 51 | 2 30 | 5 47 | s5 51 | 2 34 |
| 27 | Th | r5 52 | 3 45 | 9 44 | r5 52 | 3 47 | 6 42 | r5 52 | 3 50 |
| 28 | Fr | s5 47 | 5 1 | 10 30 | s5 47 | 5 2 | 7 26 | s5 48 | 5 3 |
| 29 | Sa | r5 54 | sets. | 11 12 | r5 54 | sets. | 8 6 | r5 54 | sets. |
| 30 | Su | s5 44 | 6 17 | 11 52 | s5 44 | 6 20 | 8 49 | s5 45 | 6 24 |



MOON'S PHASES.
(In Standard Time.)

| | EASTERN DIVISION. |
|----------------------|--------------------|
| First Quarter, . . . | 6d. 2h. 1m. p.m. |
| Full Moon, | 14d. 1h. 41m. p.m. |
| Last Quarter, . . . | 21d. 1h. 56m. p.m. |
| New Moon, | 28d. 0h. 57m. p.m. |

CENTRAL DIVISION.

| | CENTRAL DIVISION. |
|--|---------------------|
| | 6d. 1h. 1m. p.m. |
| | 14d. 0h. 41m. p.m. |
| | 21d. 0h. 56m. p.m. |
| | 28d. 11h. 57m. a.m. |

1894

Latitude of Boston
and Chicago.

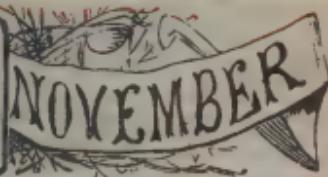
| D. of M. | Day of Week. | Sun. R. & S. h. m. | Moon R. & S. h. m. | Bost. Tide. Morn'g |
|----------|--------------|--------------------------|--------------------------|--------------------------|
| 1 Mo | Mo | r5 57 | 6 42 | 0 11 |
| 2 Tu | Tu | s5 40 | 7 12 | 0 53 |
| 3 We | We | r5 59 | 7 48 | 1 37 |
| 4 Th | Th | s5 37 | 8 33 | 2 24 |
| 5 Fr | Fr | r6 1 | 9 25 | 3 13 |
| 6 Sa | Sa | s5 33 | 10 23 | 4 8 |
| 7 S | S | r6 3 | 11 26 | 5 7 |
| 8 Mo | Mo | s5 30 | morn | 6 7 |
| 9 Tu | Tu | r6 6 | 0 32 | 7 4 |
| 10 We | We | s5 27 | 1 37 | 7 56 |
| 11 Th | Th | r6 8 | 2 41 | 8 43 |
| 12 Fr | Fr | s5 23 | 3 46 | 9 26 |
| 13 Sa | Sa | r6 10 | 4 51 | 10 7 |
| 14 S | S | s5 20 | 5 58 | 10 46 |
| 15 Mo | Mo | r6 13 | rises | 11 24 |
| 16 Tu | Tu | s5 17 | 6 1 | .... |
| 17 We | We | r6 15 | 6 38 | 0 27 |
| 18 Th | Th | s5 14 | 7 25 | 1 14 |
| 19 Fr | Fr | r6 17 | 8 24 | 2 7 |
| 20 Sa | Sa | s5 11 | 9 34 | 3 4 |
| 21 S | S | r6 20 | 10 51 | 4 8 |
| 22 Mo | Mo | s5 8 | morn | 5 15 |
| 23 Tu | Tu | r6 22 | 0 9 | 6 23 |
| 24 We | We | s5 5 | 1 27 | 7 27 |
| 25 Th | Th | r6 24 | 2 43 | 8 23 |
| 26 Fr | Fr | s5 2 | 3 56 | 9 13 |
| 27 Sa | Sa | r6 27 | 5 8 | 9 59 |
| 28 S | S | s4 59 | 6 21 | 10 42 |
| 29 Mo | Mo | r6 29 | sets. | 11 24 |
| 30 Tu | Tu | s4 56 | 5 45 | .... |
| 31 We | We | r6 32 | 6 25 | 0 28 |

Latitude of New York
and Philadelphia.

| | Sun. R. & S. h. m. | Moon R. & S. h. m. | N. Y. Tide. Morn'g |
|--|--------------------------|--------------------------|--------------------------|
| | r5 56 | 6 46 | 9 31 |
| | s5 41 | 7 18 | 10 11 |
| | r5 58 | 7 55 | 10 54 |
| | s5 38 | 8 40 | 11 44 |
| | r6 0 | 9 33 | 0 11 |
| | s5 34 | 10 30 | 1 7 |
| | r6 2 | 11 32 | 2 5 |
| | s5 31 | morn | 3 5 |
| | r6 5 | 0 37 | 4 1 |
| | s5 28 | 1 41 | 4 52 |
| | r6 7 | 2 44 | 5 41 |
| | s5 25 | 3 47 | 6 24 |
| | r6 9 | 4 51 | 7 4 |
| | s5 22 | 5 56 | 7 41 |
| | r6 11 | rises | 8 19 |
| | s5 19 | 6 6 | 9 3 |
| | r6 13 | 6 44 | 9 48 |
| | s5 16 | 7 32 | 10 35 |
| | r6 15 | 8 32 | 11 30 |
| | s5 13 | 9 41 | 0 1 |
| | r6 17 | 10 57 | 1 7 |
| | s5 10 | morn | 2 14 |
| | r6 20 | 0 13 | 3 21 |
| | s5 7 | 1 30 | 4 23 |
| | r6 22 | 2 44 | 5 20 |
| | s5 4 | 3 56 | 6 10 |
| | r6 24 | 5 6 | 6 56 |
| | s5 2 | 6 18 | 7 38 |
| | r6 26 | sets. | 8 18 |
| | s4 59 | 5 51 | 9 4 |
| | r6 29 | 6 32 | 9 50 |

Lat. of Wash.
Cin. & St. Louis

| | Sun. R. & S. h. m. | Moon R. & S. h. m. |
|--|--------------------------|--------------------------|
| | r5 55 | 6 52 |
| | s5 41 | 7 24 |
| | r5 57 | 8 3 |
| | s5 38 | 8 49 |
| | r5 59 | 9 41 |
| | s5 35 | 10 38 |
| | r6 1 | 11 39 |
| | s5 32 | morn |
| | r6 3 | 0 43 |
| | s5 29 | 1 45 |
| | r6 5 | 2 47 |
| | s5 26 | 3 49 |
| | r6 7 | 4 51 |
| | s5 23 | 5 56 |
| | r6 9 | rises |
| | s5 21 | 6 12 |
| | r6 11 | 6 52 |
| | s5 18 | 7 41 |
| | r6 13 | 8 40 |
| | s5 15 | 9 49 |
| | r6 15 | 11 3 |
| | s5 12 | morn |
| | r6 17 | 0 19 |
| | s5 9 | 1 34 |
| | r6 19 | 2 47 |
| | s5 7 | 3 56 |
| | r6 22 | 5 5 |
| | s5 5 | 6 16 |
| | r6 24 | sets. |
| | s5 2 | 5 59 |
| | r6 26 | 6 41 |



MOON'S PHASES. (In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

| | | |
|-----------------------------|--------------------|--------------------|
| First Quarter, . . . | 5d. 10h. 16m. a.m. | 5d. 9h. 16m. a.m. |
| Full Moon, . . . | 13d. 2h. 49m. a.m. | 13d. 1h. 49m. a.m. |
| Last Quarter, . . . | 19d. 9h. 8m. p.m. | 19d. 8h. 8m. p.m. |
| New Moon, . . . | 27d. 3h. 54m. a.m. | 27d. 2h. 54m. a.m. |

1894

Latitude of Boston
and Chicago.

Latitude of New York
and Philadelphia.

Lat. of Wash.
Cin. & St. Louis

DECEMBER



MOON'S PHASES.
(In Standard Time.)

EASTERN DIVISION.

CENTRAL DIVISION.

| | |
|------------------------|--------------------|
| First Quarter, | 5d. Th. 15m. a.m. |
| Full Moon, | 12d. 2h. 46m. p.m. |
| Last Quarter, | 19d. 6h. 16m. a.m. |
| New Moon, | 26d. 9h. 20m. p.m. |

| |
|--------------------|
| 5d. 6h. 15m. a.m. |
| 12d. 1h. 46m. p.m. |
| 19d. 5h. 16m. a.m. |
| 26d. 8h. 20m. p.m. |

1894

Latitude of Boston
and Chicago.

Latitude of New York
and Philadelphia.

Lat. of Wash.
Cin. & St. Louis

| D. of M. | Day of Week. | Sun. R. & S. h. m. | Moon R. & S. h. m. | Bost. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. | N. Y. Tide. Morn'g | Sun. R. & S. h. m. | Moon R. & S. h. m. |
|----------|--------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | Sa | r7 9 | 8 4 | I 40 | r7 4 | 8 10 | 10 57 | r6 59 | 8 16 |
| 2 | S | s4 28 | 9 8 | 2 35 | s4 33 | 9 13 | 11 42 | s4 38 | 9 18 |
| 3 | Mo | r7 11 | 10 11 | 3 7 | r7 6 | 10 14 | 0 5 | r7 1 | 10 19 |
| 4 | Tu | s4 28 | 11 14 | 3 50 | s4 33 | 11 16 | 0 49 | s4 38 | 11 20 |
| 5 | We | r7 14 | morn | 4 36 | r7 8 | morn | 1 35 | r7 3 | morn |
| 6 | Th | s4 28 | 0 18 | 5 23 | s4 33 | 0 19 | 2 21 | s4 38 | 0 21 |
| 7 | Fr | r7 16 | 1 22 | 6 11 | r7 10 | 1 21 | 3 9 | r7 5 | 1 22 |
| 8 | Sa | s4 28 | 2 28 | 7 3 | s4 33 | 2 26 | 4 0 | s4 38 | 2 25 |
| 9 | S | r7 17 | 3 37 | 7 56 | r7 12 | 3 34 | 4 52 | r7 7 | 3 31 |
| 10 | Mo | s4 28 | 4 51 | 8 50 | s4 33 | 4 46 | 5 47 | s4 38 | 4 42 |
| 11 | Tu | r7 19 | 6 9 | 9 46 | r7 14 | 6 3 | 6 44 | r7 9 | 5 57 |
| 12 | We | s4 28 | rises | 10 42 | s4 33 | rises | 7 37 | s4 39 | rises |
| 13 | Th | r7 21 | 5 4 | II 37 | r7 16 | 5 11 | 8 33 | r7 10 | 5 20 |
| 14 | Fr | s4 28 | 6 21 | 0 5 | s4 34 | 6 27 | 9 31 | s4 39 | 6 35 |
| 15 | Sa | r7 22 | 7 44 | I 1 | r7 17 | 7 49 | 10 24 | r7 12 | 7 55 |
| 16 | S | s4 29 | 9 5 | I 55 | s4 34 | 9 9 | 11 16 | s4 40 | 9 13 |
| 17 | Mo | r7 24 | 10 21 | 2 48 | r7 18 | 10 23 | ..... | r7 13 | 10 26 |
| 18 | Tu | s4 29 | 11 35 | 3 37 | s4 35 | 11 36 | 0 36 | s4 40 | II 37 |
| 19 | We | r7 25 | morn | 4 29 | r7 20 | morn | 1 28 | r7 14 | morn |
| 20 | Th | s4 30 | 0 47 | 5 23 | s4 36 | 0 46 | 2 21 | s4 41 | 0 46 |
| 21 | Fr | r7 26 | 1 58 | 6 17 | r7 21 | 1 56 | 3 15 | r7 15 | 1 54 |
| 22 | Sa | s4 31 | 3 8 | 7 13 | s4 37 | 3 4 | 4 9 | s4 42 | 3 1 |
| 23 | S | r7 27 | 4 18 | 8 9 | r7 22 | 4 13 | 5 6 | r7 16 | 4 8 |
| 24 | Mo | s4 32 | 5 27 | 9 3 | s4 38 | 5 21 | 6 1 | s4 43 | 5 15 |
| 25 | Tu | r7 28 | 6 32 | 9 54 | r7 22 | 6 25 | 6 52 | r7 17 | 6 18 |
| 26 | We | s4 34 | 7 30 | 10 44 | s4 39 | 7 23 | 7 39 | s4 45 | 7 15 |
| 27 | Th | r7 29 | sets. | II 29 | r7 23 | sets. | 8 24 | r7 18 | sets. |
| 28 | Fr | s4 35 | 5 53 | ..... | s4 40 | 5 59 | 9 11 | s4 46 | 6 6 |
| 29 | Sa | r7 29 | 6 57 | 0 34 | r7 24 | 7 2 | 9 52 | r7 18 | 7 8 |
| 30 | S | s4 36 | 8 1 | I 15 | s4 42 | 8 5 | 10 30 | s4 47 | 8 9 |
| 31 | Mo | r7 30 | 9 4 | I 53 | r7 24 | 9 7 | 11 7 | r7 19 | 9 10 |

Ther.

~~SUN~~ JAN. 13, 1895

Wea.

Came on deck at 3 o'clock
and had watch until 11.
Spent below till we got to
Chesapeake Bay about 4 p.m.
Then I went up to a
head opposite a small
Chesapeake Island.

Ther.

~~SUNDAY~~ 14

Wea.

Came on deck at 7 a.m.
Wore 6 fathoms of cable.
It is a fine day. On board
we are going along
merrily. Sailed white
water at 7 o'clock.

Ther.

~~MONDAY~~ 15

Wea.

Came on deck at 7 a.m.
and had watch until
5 o'clock. Spent the day
on the S.C. wh. on deck
till 12 until 4 it is a
fine day and good
wind. Fine weather.

Ther.

TUES. JAN. 16, 1894

Wea.

Came on deck at 7 and went to the ice house & it is a long walk about 12 o'clock I returned to port and took a walk back on deck to-morrow.

Ther.

WEDNESDAY 17

Wea.

Came on deck at 3 pm school of whale about 1000 feet but did not get any samples came home from port and got my clothes washed and dried and clean.

Ther.

THURSDAY 18

Wea.

Came on deck at 6 am found some seals & sea birds during morning It is a fine day plenty of sun and wind Sog Whales very few & some small ones

Ther.

FRI JAN. 19, 1894

Wea.

Came on deck at 3
a.m. at first watch a few
flocks of gulls
below got up at 12
noon groups of 2-4 Gulls
or Grinches near the
vessel.

Ther.

SATURDAY 20

Wea.

Came on deck at 1 a.m.
watched the gulls and
at the larvas flying
about my 4-5 o'clock
blow the haze off
wind and a good day

Ther.

SUNDAY 21

Wea.

Came on deck at 1 p.m.
and kept watch had
a good break and a
gull to have a hair
cut became one deck at
6.2 and 2.1 hours & by
5. Saw a sail on horizon

Ther.

MON. JAN. 22, 1894

Wea.

Leave on deck at 7
and stayed around
deck during morning.
Very little wind
at low pressure and
wind to south until 6.

Ther.

TUESDAY 23

Wea.

Break on deck at 3
up saw fish a large
blue fish from rock
and got a small net 100
yards off with a father
and son in boat

Ther.

WEDNESDAY 24

Wea.

Leave on deck at 6
and stay around
very little wind
break out
up on deck at 4
in foul weather said
it had rain

Ther.

THURS. JAN. 25, 1894

Wea.

Landed at three and
stay ashore until 5 with
a boat to go back and
we left at 12 and
flew the same way back
of the coast but
Coast East.

Ther.

FRIDAY 26

Wea.

Rained very hard early
this morning and went to
the village from 10-12
Then took pack of
clothes and went
below at 11 at night

Ther.

SATURDAY 27

Wea.

Left on deck at
3 at 6 we saw a sun
and all the boats
to see but did not get
any with which
I made 20 m. the
first trip

Ther.

SUN. JAN. 28, 1894

Wea.

Boat up at 3
all day and the big
big capes and bays
around you'd believe
you're far away.
Wash down the day
with a glass of beer or two.

Ther.

MONDAY 29

Wea.

Covered up the boat at 3
and went to the shore
from 3 P.M. at 15 minutes
past 5 we made a return
of camp and had
fresh shooting quite
near N.E. hard.

Ther.

TUESDAY 30

Wea.

Slept on deck of boat
and broke out for beans
rice, coffee, meal and
Sugar. Total from 9.30
1/2 hours about \$1.50
Bore out a pole on my
line from the side table

Ther.

WED. JAN. 31, 1894

Wea.

Came on deck at 2
and at 3 had a
brief time made for
my fingers. Had a few
lips. 5-6. 10 minutes
going to get my small
towel for my finger.

Ther.

THURSDAY, FEB. 1

Wea.

Came on deck at 2
and about the captain
my fingers did not come
so well. It is made
to dry down and
color. It was right.
Started back. 3-4.

Ther.

FRIDAY 2

Wea.

came on deck at 3 and
had wheel until 5 got
rock out well. Came
on deck at 5-6 and
peeped at 6-7. While
it is a bad time
I am now more

Ther.

SAT. FEB. 3, 1894

Wea.

Came over lake at sunset
and went to bed without
undressing. By 10 PM
I went below at 10 PM
and up at 1 AM it
is a fine day.

Ther.

SUNDAY 4

Wea.

Washed deck off at
7 AM and a few o'clock
the sun came out and
it was a nice day. I went
out and had nothing to
do so I lay around and
drank some beer. So

Ther.

MONDAY 5

Wea.

Came off deck at 10 AM
and went to bed without
undressing. The weather
was nice all day and
I had a good time.

Ther.

MON. FEB. 12, 1894

Wea.

Boat on deck at 3
and coming up.
Boat down at 4.
Boat report at 5.

Ther.

TUESDAY 13

Wea.

Came on deck at
the first light
and the deck was
covered with
ice about a half
inch thick and
wheel froze to
the deck.

Ther.

WEDNESDAY 14

Wea.

Boat on deck at 3
woke out from under
and droped in hole
100 ft. down and
had to get boat
off wood and
then 12 - 2.

Ther. THURS. FEB. 15, 1894 Wea.

Cloudy overcast
wind N.E. 9-30. Slight
day strong breeze
at 10 A.M. 34°. by
wind N.E. by E.

Ther. FRIDAY 16 Wea.

Cloudy overcast
wind N.E. at 10
day strong breeze
at 10 A.M. 34°. by
wind N.E. by E.

Ther. SATURDAY 17 Wea.

Cloudy overcast
wind N.E. at 10
day strong breeze
at 10 A.M. 34°. by
wind N.E. by E.

Ther.

SUN. FEB. 18, 1894

Wea.

Camped on deck at
3 at 2, 15 and first
met idled. We set sail
at 4.20 E. N.E. My wheel from
6-7. It is a fine day

Ther.

MONDAY 19

Wea.

Wind at N.W.
at 7, 10 & 11 many small
w. gales 10-35 Sets as
soon as force 10
overcast & grey
wind from 4-6. 6 p.m. N.W.

Ther.

TUESDAY 20

Wea.

Camped on deck at 3 and
met idled at 4-7 N.E.
N.E. Wind a dry
gale from 3-4
then a drizzle 4 and
then on deck at 11 p.m.
Met idled again

Ther.

WED. FEB. 21, 1894

Wea.

Leave on deck at
noon and go to port
for water & coal for
our passage to
Hobart at 4 P.M.
Arr. 9 hours N.E. by E.

Ther.

THURSDAY 22

Wea.

Came on deck at three
had water full -
Leave Hobart this a
lmost due and we
wind every thing so well
until the fog got

Ther.

FRIDAY 23

Wea.

Saw on deck at noon
and had a dog ate my
meal 9:30-12 because
SS E. we had a
calm day today &
Saw on the coast
Macquarie Islands

Ther.

SAT. FEB. 24, 1894

Wea.

Came on deck at 4 AM
had wheel from S.
My boat is at S.E. by S.
It is a fine day looking
out over soft land
on weather beam.

Ther.

SUNDAY 25

Wea.

Came on deck at 4 AM
had boat in water
and I had grasp the
oars. I got the boat
over and pulled it up
onto sand and took the
oars.

Ther.

MONDAY 26

Wea.

Came on deck at 4 AM
spun a few pieces of
cloth. It is very rough
a spear which but
no hook or no spear
very bad being such
will be found pre-

Ther. TUES. FEB. 27, 1894 Wea.

Ther. WEDNESDAY 28 Wea.

Ther. THURSDAY, MAR. 1 Wea.

Ther.

FRI. MAR. 2, 1894

Wea.

Cloudy & drizzling rain
most of day. There were
downpours at a few points
of clouds. Very drizzling
at noon, and no rain after.

Ther.

SATURDAY 3

Wea.

Cloudy & wet, with
downpours at various
times. Very drizzling
at noon, and no rain after.

Ther.

SUNDAY 4

Wea.

Cloudy, no sun at three.
wind and rain until
dark. Some rain at
2 p.m. & 6 p.m.
Cloudy & rainy all
afternoon. Very
drizzling at noon.

Ther.

MON. MAR. 5, 1894

Wea.

Spent on deck at
noon and work job
of sorting 60 lbs of eggs
brought over a mile
and a half off.

Ther.

TUESDAY 6

Wea.

Boat in drift at three
o'clock in the afternoon
and 2 gulls were flying
over. Saw a steamer
at 4-30 at mile off.

Ther.

WEDNESDAY 7

Wea.

Gone in drift at noon
had about four & 30 lbs of
eggs out of 60) broken
in case against shore
and broken by waves
but they did not come
down Y-28

Ther.

THURS. MAR. 8, 1894

Wea.

Carried boat at trail
over a mtn. 5 miles off
and back of camp
of Indians

Ther.

FRIDAY 9

Wea.

Carried boat about
the trail back to
the river and
back to camp
of Indians

Ther.

SATURDAY 10

Wea.

Carried boat about
the trail back to
the river and
back to camp
of Indians. It is
a region of timber and
Mangroves from 6-7
to 8-15 miles

Ther.

SUN. MAR. 11, 1894

Wea.

Journal going
up the whole
to the top
it was a long
- flight. A lot
of time lost

Ther.

MONDAY 12

Wea.

500
and all
meat

Lat 2.29

Ther.

TUESDAY 13

Wea.

Ther.

WED. MAR. 14, 1894

Wea.

-leaves - on deck at 8 am
had dinner with 5
up a cloudy day it
is hard to say what
are seeing 7° & 8° above
the standard temp by N.

Ther.

THURSDAY 15

Wea.

-leaves - on deck at 8 am
had dinner with 5
up a cloudy day it
is hard to say what
are seeing 7° & 8° above
the standard temp by N.

Ther.

FRIDAY 16

Wea.

-leaves - on deck at 8 am
had dinner with 5
up a cloudy day it
is hard to say what
are seeing 7° & 8° above
the standard temp by N.

Ther.

SAT. MAR. 17, 1894

Wea.

Came on deck at
seven and had
breakfast. Then
went down to the
boat deck and
had a walk about.
Latitude 13.23'

Ther.

SUNDAY 18

Wea.

Came on deck at 8
and had breakfast
then went about
the ship and
had a walk about.
Latitude 13.37'

Ther.

MONDAY 19

Wea.

Came on deck at seven
and had breakfast
at 8.30. At 12 came down to
the boat deck and
had a walk about.

Latitude 13.38

Ther.

TUES. MAR. 20, 1894

Wea.

Ther.

WEDNESDAY 21

Wea.

Ther.

THURSDAY 22

Wea.

Ther.

FRI MAR. 23, 1894

Wea.

Ther.

SATURDAY 24

Wea.

10:00-3:00

Ther.

SUNDAY 25

Wea.

Ther.

MON. MAR. 26, 1894

Wea.

To day got up good
and had a number of
bad headaches
and was very weak.
3.30 very bad and a fever

Ther.

TUESDAY 27

Wea.

To day quite well
though still bad and
weak. I feel better after
an oil bath this morning
and beginning to feel
better today. You know

Ther.

WEDNESDAY 28

Wea.

Up at five took a good
wash and started on my
way. Very bad all day
and got out of my bed

Ther. THURS. MAR. 29, 1894 Wea.

Saw a golden

Ther. FRIDAY 30 Wea.

Saw a golden

Ther. SATURDAY 31 Wea.

Saw a golden

Ther.

SUN. APRIL 1, 1894

Wea.

To day I was going a
few miles back and
could go with you a few
hours without finding
anyone of the kind.
This is a beautiful place

Ther.

MONDAY 2

Wea.

To day I have been helping
the slaves and we
are going to go along
alone pretty much
to the ship. So we are

Ther.

TUESDAY 3

Wea.

Ther.

WED. APRIL 4, 1894

Wea.

Ther.

THURSDAY 5

Wea.

Ther.

FRIDAY 6

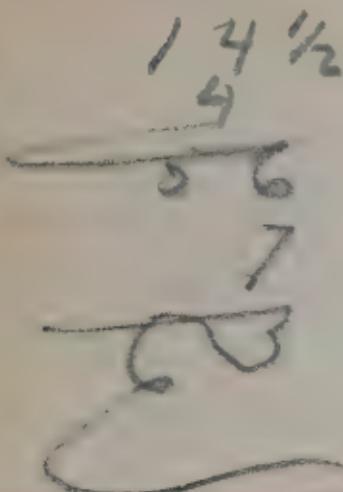
Wea.

Yesterdays foot journey
over the hills helped
me to realize the
difference between
black and white deer
moss just today

Ther.

SAT. APRIL 7, 1894

Wea.



Ther.

SUNDAY 8

Wea.

Ther.

MONDAY 9

Wea.

Ther. TUES. APRIL 10, 1894 Wea.

Ther. WEDNESDAY 11 Wea.

Tuesday afternoon we
dropped off of camp at
the river (2 1/2 E.)
was away from the
lock until we struck
water from the day.

Ther. THURSDAY 12 Wea.

Ther.

FRI. APRIL 13, 1894

Wea.

Ther.

SATURDAY 14

Wea.

Ther.

SUNDAY 15

Wea.

Ther. MON. APRIL 16, 1894 Wea.

On Aug-19-95 we saw a
large flock of small birds
mostly of the same species

Ther. TUESDAY 17 Wea.

Ther. WEDNESDAY 18 Wea.

Ther.

SUN. MAY 13, 1894

Wea.

I am fixing up
out and getting up
in order and then I will
go to sea and see you
for dinner. I went up
west road at four
o'clock.

Ther.

MONDAY 14

Wea.

I went to the
second floor
and went up
and down and
down again. So did
I a few more at 20
minutes to the hour
back at the house.

Ther.

TUESDAY 15

Wea.

Completed to set the
whole. Of all day has
to work hard storing and
putting away all my
clothes with no time
left to eat all the day.

Ther.

WED. MAY 16, 1894

Wea.

I awoke this morning
and went up to the
house to get my
ice cabin down and
I have found it
is not to be had

Ther.

THURSDAY 17

Wea.

Lay to you so long a while
in Chetek in the 13 -
foot water I made my
boat house afloat
and had to work for all
the time about now

Ther.

FRIDAY 18

Wea.

got up swept the deck
and got things ready
for myself in the boat
so we can go to the
Gros Ventre the camp
is not down and I get
cold. I don't smoke

Ther.

SAT. MAY 19, 1894

Wea.

Spent day with Mr. & Mrs. Clegg and their son, George. It is a quiet day, getting away from the bustle of oil. Had the chamberlain's clothes

Ther.

SUNDAY 20

Wea.

Spent the day with Mr. & Mrs. Clegg and their son, George. Got away from the bustle of oil. Worked over 75 tanks at a steady job down in Marquette Harbor doing work.

Ther.

MONDAY 21

Wea.

Spent the day with Mr. & Mrs. Clegg and their son, George. Worked down in Marquette Harbor doing work.

Ther.

TUES. MAY 22, 1894

Wea.

At least I got up
from my bath
to the library
and managed
to find a book
and I overall all
well.

Ther.

WEDNESDAY 23

Wea.

Spent most of the day
answering questions about my
way. I had got on a
train for 25 miles to
New York. Went to
the New York Public Library
expect to be there most

Ther.

THURSDAY 24

Wea.

Left up at 6 AM
dressed and went to the
Bank of the Bronx.
Cashed check = \$100
and took money to the
train station and mine.

Ther.

FRI. MAY 25, 1894

Wea.

Got up at 5:30 a.m.
Wrote to Frank
about getting my
converging lenses ready
also got some wild onions
and got the man
to help me.

Ther.

SATURDAY 26

Wea.

Got up at 5:30 a.m.
Wrote to Frank
again about getting my
converging lenses ready
also got some wild onions
and got the man
to help me.

Ther.

SUNDAY 27

Wea.

Got up at 5:30 a.m.
Wrote to Frank
again about getting my
converging lenses ready
also got some wild onions
and got the man
to help me.

Ther.

MON. MAY 28, 1894

Wea.

Cloudy all day and
rainy also. Wind
blowing from the
SW. 50 miles per hour.
Rainy at noon.
Kona Sou

Ther.

TUESDAY 29

Wea.

Got to sleep early
today, about 6:30 a.m.
Fished all morning
and dinner time
had dinner at home.

Ther.

WEDNESDAY 30

Wea.

Rained all day and
wind blowing from the
SW. 50 miles per hour.
Rained most of the day
and wind blew from the
SW. 50 miles per hour.

Ther.

THURS. MAY 31, 1894

Wea.

Ther.

FRIDAY, JUNE 1

Wea.

Ther.

SATURDAY 2

Wea.

Ther.

SUN. JUNE 3, 1894

Wea.

Got up at 4 o'clock
and took Bill with me.
All day long I was driving
the team, the pony and
the pack mule along.
We reached the ranch at 12 o'clock.

Ther.

MONDAY 4

Wea.

Left home at 3 o'clock
and went to town at 4.
Came back about 5.
After dinner I rode
up on my horse and
came down with the
cape dog all over my
face. Evening.

Ther.

TUESDAY 5

Wea.

Got up and went to
work lighting a stage fire.
Very warm, good for us.
Take a walk but
we do not want them
to hear us for supper was
read the night.

Ther.

WED. JUNE 6, 1894

Wea.

Got up & went to the
lumber yard like I do
every day. At noon had
a full course lunch at
the lumber yard. After
finishing fasted at
the sawmill dinner.

Ther.

THURSDAY 7

Wea.

Went up to the head
of the sawmill about 10.
Had to work breaking
logs for sugar! Found
the old log pile
over

Ther.

FRIDAY 8

Wea.

Got up and took
in coffee & bacon
and dug the ground
down around the house
burying trash and other
old day trash
in the old cellar.

Ther.

SAT. JUNE 9, 1894

Wea.

Ther.

SUNDAY 10

Wea.

Ther.

MONDAY 11

Wea.

Ther.

TUES. JUNE 12, 1894

Wea.

Ther.

WEDNESDAY 13

Wea.

Ther.

THURSDAY 14

Wea.

Ther.

FRI. JUNE 15, 1894

Wea.

Ther.

SATURDAY 16

Wea.

Ther.

SUNDAY 17

Wea.

Ther.

MON. JUNE 18, 1894

Wea.

Cloudy & cool all day
Wind N.E. 10-15 m.p.h.
Clouds scattered
Temperature 65° F.

Ther.

TUESDAY 19

Wea.

Brown and I went
out to the cemetery
and I dug up some
weeds. He got some
rocks from the road.

Ther.

WEDNESDAY 20

Wea.

Brown and I went
to the cemetery to
dig up weeds. Brown
was digging the road
over there for us
so we could take
the car over.

Ther.

THURS. JUNE 21, 1894

Wea.

Ther.

FRIDAY 22

Wea.

Ther.

SATURDAY 23

Wea.

Ther.

SUN. JUNE 24, 1894

Wea.

Canning blueberries
and wild raspberries
and strawberries - 10 lbs.
Lunch at 12 o'clock. Then
spent the afternoon at
Rockwood Park.
Then went to Rockwood Park.

Ther.

MONDAY 25

Wea.

Lunch at 12 o'clock.
Spent the afternoon at
the beach. Then went
to the lake at 3 o'clock.
Then went to the beach
again at 4 o'clock.

Ther.

TUESDAY 26

Wea.

Spent the morning at
the beach. Then went
to the lake for the
afternoon. Then went
to the beach again at
4 o'clock.

Ther.

WED. JUNE 27, 1894

Wea.

Cloudy all day and
wind east N.E. and
some rain. Wind
and clouds stopped
for day at 10:59 P.M.
at 10 A.M. dead calm.

Heavy rain.

Ther.

THURSDAY 28

Wea.

Rained till 9 A.M. at 10 A.M.
the clouds were broken
and the sun was out
most of the day. Some
rain in the afternoon
but it had a
spurts, all day out.
Wind N.E.

Ther.

FRIDAY 29

Wea.

Cloudy all day and
wind N.E. at 10 A.M.
most head wind
and went to dinner up
water from below after
a month on deck. H. L.

Ther.

SAT. JUNE 30, 1894

Wea.

(continued) at 8
walk west about
1/2 mile and stop with
John, feed him and went
west about same dis-
tance. Then walk off
toward the south.

Ther.

SUNDAY, JULY 1

Wea.

Walked along and west toward
camp camped in
egg bed found it in
flowering stage. The
place where we last
hiked at 4-5 miles out
was still dry.

Ther.

MONDAY 2

Wea.

Left camp at 3 a.m. about a
hour's head on N. side the
place where hiked yesterday
at 2 o'clock. Walked about
two miles. Then walk
back to camp.

Ther.

TUES. JULY 3, 1894

Wea.

Ther.

WEDNESDAY 4

Wea.

Ther.

THURSDAY 5

Wea.

Ther.

FRI. JULY 6, 1894

Wea.

Ther.

SATURDAY 7

Wea.

Ther.

SUNDAY 8

Wea.

Ther. MON. JULY 9, 1894 Wea.

the antelope
by wind-bound

Ther. TUESDAY 10 Wea.

Wind-swept

Ther. WEDNESDAY 11 Wea.

have the old fort with
the new one to the

Ther.

THURS. JULY 12, 1894

Wea.

Came on deck at 3 A.M.
Went to watch - heard a
few mewings from carib.
seen at 7. Very dry and
windy. Wind blew hard
but abated after a few min.

Ther.

FRIDAY 13

Wea.

Very dry today at noon
Wind blew at first
all day west and faded
the afternoon - at about 2 P.M.
was all gone when we
arrived at land where it
had blown with

Ther.

SATURDAY 14

Wea.

Came on deck at 3 A.M.
went to watch - heard a
few mewings from carib.
seen at 7. Very dry and
windy. Wind blew hard
at the beginning, but faded
the afternoon.

Ther.

SUN. JULY 15, 1894

Wea.

Cloudy all day and
not very hot. Got some
dinner at 12 o'clock. Left
about 1 P.M. and went to
the beach. Spent the afternoon
there. Went swimming in the
afternoon.

Home sick

Ther.

MONDAY 16

Wea.

Cloudy all day and
not very hot. Got some
dinner at 12 o'clock. The boy
finishing work at 1 P.M.
Left about 2 P.M. and went to
the beach. Spent the afternoon
there. Went swimming in the
afternoon.

Home sick

Ther.

TUESDAY 17

Wea.

Put up good fence
over the garden.
Hole went broke out
falls took down and
put up. Four rail and
brown top soil. It is
a fine fence.

Ther.

WED. JULY 18, 1894

Wea.

Spent the day below at
the hotel. Went to the
theatre in the afternoon
and saw "The Wizard of Oz".
Then went to the beach
and swam.

Ther.

THURSDAY 19

Wea.

Spent the day at the beach
and the people did not
know what to do. We had
15 hours at the beach and
each day got more and
more tired. However, we
had a good time.

Ther.

FRIDAY 20

Wea.

Spent the day at the beach
and the people did not
know what to do. We had
15 hours at the beach and
each day got more and
more tired. However, we
had a good time.

Ther. SAT. JULY 21, 1894

Wea.

Ther.

SUNDAY 22

Wea.

Ther.

MONDAY 23

Wea.

Ther.

TUES. JULY 24, 1894

Wea.

Ther.

WEDNESDAY 25

Wea.

Ther.

THURSDAY 26

Wea.

Ther. FRI. JULY 27, 1894 Wea.

But carried

all birds with
Linda too full.

All day hot

Ther. SATURDAY 28 Wea.

Very hot

Walked out

near by

and found

nothing

and went home

Ther. SUNDAY 29 Wea.

Walked down road in

old growth &

found many birds

and a baby

bird had a nest

and a few eggs

Ther.

MON. JULY 30, 1894

Wea.

Commenced to lay out
the road from the west
end of the deck of the
boat and had a
fine day but could not
get through so was glad.

Ther.

TUESDAY 31

Wea.

Worked at getting out
the deck boards and
then on with oil and
wood glue and made the
deck smooth and ready for

Ther.

WEDNESDAY, AUG. 1

Wea.

Commenced to lay out to
the house 95 ft. and
then laid out the
house 100 ft. and
then laid out the
house 100 ft.

Ther.

THURS. AUG. 2, 1894

Wea.

4 miles

most of the night

Ther.

FRIDAY 3

Wea.

Ther.

SATURDAY 4

Wea.

Ther.

SUN. AUG. 5, 1894

Wea.

Wet, & above 10° - day
bright & overcast at
time of sun rise &
overcast & cloudy after
noon - hard rain during
the afternoon -

Ther.

MONDAY 6

Wea.

Wet & cool - bright &
overcast in the morning and
cloudy & overcast at noon &
bright from time of sunset
till the next morning -

Ther.

TUESDAY 7

Wea.

Wet & cool - bright &
overcast for a part of the day
& overcast & cool at night
about 10° in the morning
and it is now
bright & cool & clear

Ther.

WED. AUG. 8, 1894

Wea.

Ther.

THURSDAY 9

Wea.

Ther.

FRIDAY 10

Wea.

Ther.

SAT. AUG. 11, 1894

Wea.

Spent time about the
house and outside
on Monday morning and
afternoon. Went to town
while Mr. Tracy was not
home.

Ther.

SUNDAY 12

Wea.

Took long walk around
the country side. Found
there were no new frost
but there was some snow.
Got some dried fruit
and nuts to go with the
coffee.

Ther.

MONDAY 13

Wea.

Spent day at home
and got up the paper
and read it. Wrote
to Mr. Tracy and
got a reply.

Ther.

TUES. AUG. 14, 1894

Wea.

Landed on deck at 11
o'clock in the dark and
spent the night in
the cabin. Monday from
11 o'clock until 2 o'clock
I wrote up the log and
then took a nap.

Ther.

WEDNESDAY 15

Wea.

Landed on deck and
spent the day putting
cups to sand the bottom
of the hull and
the two gallahs and
the boat house
and wooden home sick.

Ther.

THURSDAY 16

Wea.

Landed on deck and
peared up the star-
board bulkhead. Then we
placed our gear along
under part of the hull
at sail at 8-30.

Ther.

FRI. AUG. 17, 1894

Wea.

Cloudy at 6 AM and
continued through day
with rain at times.
Wind N.E. 10-15 m.p.h.
Temperature 65° F.

Ther.

SATURDAY 18

Wea.

Cloudy with drizzle
most of day. Wind
N.E. 10-15 m.p.h.
Temperature 65° F.

Ther.

SUNDAY 19

Wea.

Woke in 6 AM and about
6:30 to see if they caught
any men. They had not.
We had no time for another
post so sent a car of men.

Ther.

MON. AUG. 20, 1894

Wea.

Kane on fire, egg shell, and the
old yard with the remains
of the old house which will
be pulled down to make room
for the new building.

Ther.

TUESDAY 21

Wea.

Went to town to get
seed and found up at the
house of Mr. Wm. H. S.
had a good time and
the weather was nice and
the sun cut up and bright
and cool.

Ther.

WEDNESDAY 22

Wea.

Spent the day in town
and did a good deal of
work in the garden and
then cut hedges and
then went home.

Ther.

THURS: AUG. 23, 1894

Wea.

Cloudy

Wrote up the log book
and got the boat ready

Cloudy

but did

Cloudy

Wrote up the log book

Cloudy

Log book

Ther.

FRIDAY 24

Wea.

Cloudy

Wrote up the log book
and got the boat ready

Cloudy

SATURDAY 25

Wea.

Cloudy

Leave on deck and
tied up all the traps
and put up the main
voile. Was going
out to pull it in the
boat but have a bad

Ther.

SUN. AUG. 26, 1894

Wea.

Woke up at 6 AM and
was up by 7 AM. Went to the
office and worked there until
noon. Then I went to the
store and bought some
books and papers. After
lunch I went to the office
and worked there until
dark. Then I went home.
11:00 AM

Ther.

MONDAY 27

Wea.

Ther.

TUESDAY 28

Wea.

Ran my go-kart at 3 PM and
had been pretty well
finishing the very
cooper tires. The
wind was all the
time so I had to stop
and wait for it to stop.
Then I went to the
store and bought some
books and papers. After
lunch I went to the office
and worked there until
dark. Then I went home.
12:30 PM

Ther.

WED. AUG. 29, 1894

Wea.

Came on deck early
and went up, I have
been up at 4.
Worked and
paint work.

Ther.

THURSDAY 30

Wea.

Came on deck and
brought you a mile this
morning from the
barrier by the lake
of the week. We all
had the sail to-day
Home - seek

Ther.

FRIDAY 31

Wea.

It has been very
so as to get up, we
at the lake by the
falling fast. Large
part of the land
is gone to keep

Ther.

SAT. SEPT. 1, 1894

Wea.

Ther.

SUNDAY 2

Wea.

Ther.

MONDAY 3

Wea.

Ther.

TUES. SEPT. 4, 1894

Wea.

We started the day for
the village of Gobba
again. Chil Nekong
was there. We arranged
yours to come up and
to teach you the
language and
the customs of
the people.

Ther.

WEDNESDAY 5

Wea.

Learned more about
the language and
the customs of the
people and
had a talk with them
about their
habits and
ways.

Ther.

THURSDAY 6

Wea.

Spent the day
and went
with

Ther.

FRI. SEPT. 7, 1894

Wea.

Very
warm

Ther.

SATURDAY 8

Wea.

Ther.

SUNDAY 9

Wea.

Very cool & dry

Ther.

MON. SEPT. 10, 1894

Wea.

Ther.

TUESDAY 11

Wea.

Ther.

WEDNESDAY 12

Wea.

Ther.

THURS. SEPT. 13, 1894

Wea.

Ther.

FRIDAY 14

Wea.

Ther.

SATURDAY 15

Wea.

Ther.

SUN. SEPT. 16, 1894

Wea.

Came on deck at
10 A.M. and
had a
good
breakfast.

Ther.

MONDAY 17

Wea.

Spent the day
at sea.

Ther.

TUESDAY 18

Wea.

Spent the day
at sea.

Ther.

WED. SEPT. 19, 1894

Wea.

My birthday 16 years
old. I & wife are
thinking about getting a
motor boat. We have
and we can buy one
from a Horner's boat yard.

Ther.

THURSDAY 20

Wea.

Left home in early afternoon
and went to town
to get a boat to buy.
At 10 P.M. had a good
time all round
settling on boat
and price.

Ther.

FRIDAY 21

Wea.

Boat cost \$1250.
We will have
it ready to use
next morning at the
new boat yard.

Ther.

SAT. SEPT. 22, 1894

Wea.

Cloudy all day and
wind from the E. and
we are not doing any
work. ~~forwards~~

Ther.

SUNDAY 23

Wea.

Spent my day on deck and
keep watch some
time and set my
blades and went
at the wheel at 12
2 caught a fish

Ther.

MONDAY 24

Wea.

Spent the day on deck and
spoke the Galapagos
Islands about 10 miles
away from shore
and went ashore at 12
in a boat with the
boat crew.

Ther.

TUES. SEPT. 25, 1894

Wea.

Cloudy & cool
Slight rain at 1 P.M.
Clouds & rain
Wind N.E. 10 miles
Cloudy & cool

Ther.

WEDNESDAY 26

Wea.

Slight cloud &
wind N.E. 10 miles
Cloudy & cool
Wind N.E. 10 miles
Cloudy & cool

Ther.

THURSDAY 27

Wea.

Cloudy & cool
Wind N.E. 10 miles
Cloudy & cool
Wind N.E. 10 miles
Cloudy & cool

Ther.

FRI. SEPT. 28, 1894

Wea.

Came on deck at 7,
dinner & wash up done
about 10-11 a.m.
Saw land at 11 a.m.
Saw camp, village and
Villa on get within sight
about 1 p.m. dark

Ther.

SATURDAY 29

Wea.

Spent day in boat
Saw land about 10 a.m.
Nightfall about 11 p.m.
Saw camp, village and
Villa on get within sight
about 1 p.m. dark

Ther.

SUNDAY 30

Wea.

Came on deck at 7,
dinner & wash up done
about 10 a.m.
Saw camp, village and
Villa on get within sight
about 1 p.m. dark

Ther.

MON. OCT. 1, 1894

Wea.

Leave on deck at 3
clock & come
to anchor about 4 pm
and stop at 7 until
the tide goes down
again have not been
Home sick

Ther.

TUESDAY 2

Wea.

Leave on deck at 7
and come in to anchor
again went when 10-1/2
It is a fine day &
are getting work done
stay about 3 hours off
home - Home sick most

Ther.

WEDNESDAY 3

Wea.

Leave on deck at
3 o'clock set up the
main stay & out went
when 12-2 saw a
boat about 2 o'clock
going S-W. by S.

Ther.

THURS. Oct. 4, 1894

Wea.

Loring's Birthday 15 years old. Saw a hawk about 2 miles away hovering over a cut the place where you were and hope what he thinks.

Ther.

FRIDAY 5

Wea.

The wind was light
about 5 pm a hawk
very prominent
of it. The sky is full
of clouds and the sun
shining a little. A number
of horned larks were

Ther.

SATURDAY 6

Wea.

Up early at 3 o'clock.
Saw the same hawk
on the hill. He seemed
and held up the
wings and the
head a long time
in the sky.

Ther.

SUN. OCT. 7, 1894

Wea.

Ther.

MONDAY 8

Wea.

Ther.

TUESDAY 9

Wea.

Ther.

WED. OCT. 10, 1894

Wea.

Ther.

THURSDAY 11

Wea.

Ther.

FRIDAY 12.

Wea.

Ther.

SAT. OCT. 13, 1894

Wea.

Leave on deck
and watch to see
when long boat
stays and last
thing fore deck
weak paint job
Home sick

Ther.

SUNDAY 14

Wea.

Leave on deck at 7
and go to town
at 8-80 we are
back to the boat
I last night 10-11
Hope you a lot good
Home sick

Ther.

MONDAY 15

Wea.

Leave on deck at 7
it is quiet cold and
very wet and damp
but the wind and
water has not been
so much as for a week
Home sick

Ther.

TUES. OCT. 16, 1894

Wea.

Leave on the boat at 7
and go up river
about 10 miles from where it
is the caught a large
fish which got away
near Johnson's
fog signal.

Ther.

WEDNESDAY 17

Wea.

Wore out my clothes &
had to stop to wash
them down the river.
Left about 1 P.M.
back. The boats opened
fog signals.

Ther.

THURSDAY 18

Wea.

The day was very
am. cool, with a
a heavy wind
and was general.
We have pretty bad
weather all the time.

Ther.

FRI. OCT. 19, 1894

Wea.

Ther.

SATURDAY 20

Wea.

Ther.

SUNDAY 21

Wea.

Ther.

MON. OCT. 22, 1894

Wea.

Same as yesterday
but more work
done on the
bridge and
the floor joists
are all
in place -

Ther.

TUESDAY 23

Wea.

Same as deck
done up by
me and the
bridge is now
all finished and
the floor joists
are all
in place -

Ther.

WEDNESDAY 24

Wea.

On deck and roof
of house and the
bridge ready for
the floor joists
are all
placed over

Ther.

THURS. OCT. 25, 1894

Wea.

Leave on deck
and found everything
already afloat and
on the ground or
water such

Ther.

FRIDAY 26

Wea.

Leave on deck and
commenced to float out
of every thing all
read, began to do
work at 6:30 A.M.
2:30 completed 4:30

Ther.

SATURDAY 27

Wea.

Leave on deck at 7
wash out my
clothes and breakfast
and go to bed as a
foul day but is no
bad weather

Ther.

SUN. Oct. 28, 1894

Wea.

Came on deck at 3 a.m.
Wind as reported
had the wind howl
of an ordinary
week. I made the
wave of yesterday. ~~and~~

Ther.

MONDAY 29

Wea.

Blown off deck at 3
and it very cold and
wind about 15-20 a
gale going and
the sea was rough
and I took a shot at
~~the bottom~~

Ther.

TUESDAY 30

Wea.

Came on deck at 3
wind a head 6-7 wind
below at 7 a.m. on deck
at 12 clear teeth did
not much check so com-
bat for an hour and

Ther.

WED. Oct. 31, 1894

Wea.

Began my day at 7
A.M. by getting up
at 6:45 A.M. and getting
up to the water hole at 7:30 A.M.
I had breakfast at 7:30 A.M.
At 8:30 A.M. I was at the
water hole again.

Ther.

THURSDAY, Nov. 1

Wea.

Began my day at 7
A.M. by getting up at
6:45 A.M. and getting up
at 7:30 A.M. and getting
up to the water hole at
8:30 A.M. I was at the
water hole again at 9:00 A.M.

Ther.

FRIDAY 2

Wea.

Began my day at 7
A.M. by getting up at
6:45 A.M. and getting up
at 7:30 A.M. and getting
up to the water hole at
8:30 A.M. I was at the
water hole again at 9:00 A.M.

Ther.

SAT. Nov. 3, 1894

Wea.

Got up at 3 o'clock
and began to wash
clothes went below at
7 A.M. on deck 12-4 at 4
saw a sperm whale
lower boat at 5 got back
at 8 P.M. wet

Ther.

SUNDAY 4

Wea.

Got up at 12 o'clock
the sea was 5-6 above
you needed to lie
down most of the
time half of you but
had bladders you had
all day

Ther.

MONDAY 5

Wea.

Got up at 12 and
washed the others
in place it was a cutting
the sulphur we can't
get the men on board
there was a gall stone

Ther.

TUES. Nov. 6, 1894

Wea.

Home on deck at 10
and went up at my
job at the magazine.
Went below at 1
and up at 12.
The dogs are fair
Home sick

Ther.

WEDNESDAY 7

Wea.

Got up and went
to the same old job
about 10 and got all
through and we
cleaned up the
deck. Saw a bark-
Home sick

Ther.

THURSDAY 8

Wea.

On deck at 7 to
go up to store till
I tired myself all
but a gale struck
and we could not
work. Saw a barking
Home sick

Ther.

FRI. Nov. 9, 1894

Wea.

Camp on deck at 3:30
work below about dark at 2
went below at 7 pm at
4 it is a very cold day
wind howling like a
bear saw her traps.
Horn - sec.

Ther.

SATURDAY 10

Wea.

Camp on deck at 7
wind howling like a bear
3 cups of oil on the stove
and made beans and
berry went below
there to be some day -
Horn - sec.

Ther.

SUNDAY 11

Wea.

Camp on deck at 3:30
and found at cold - wind
below at 7 pm a wheel 2
it is a very cold day and cold
I have fixed out traps
in the bed think of
and traps.

Ther.

MON. NOV. 12, 1894

Wea.

Ther.

TUESDAY 13

Wea.

Ther.

WEDNESDAY 14

Wea.

Ther.

THURS. Nov. 15, 1894

Wea.

Spent the day at the
House of Colonization, Sen.
and about the city with
Lily and Harry. Went to
see the new Woodall
Brown.

Ther.

FRIDAY 16

Wea.

Howard was sick and
had to stay home.
I got a very
bad cold and have not been
able to work for a week.
Howard got a cold and
did not get away from the
House sick.

Ther.

SATURDAY 17

Wea.

Lily and I took a walk
and wash until 5 when we
to the library under report
to read out of the life
of young mother to do
it will give old age
but home out.

Ther.

SUN. Nov. 18, 1894

Wea.

Came on deck at noon
and went ashore and
then went to the station
at 10. Found them all
there. Saw two new ones
and most odd looking.
Home with

Ther.

MONDAY 19

Wea.

Came on deck at 3 and
saw a whale which I let go.
Then, again saw a sperm
whale. It was a female
and he was not. They said
it was too fat to catch.
Home with

Ther.

TUESDAY 20

Wea.

Came on deck at noon
and went ashore and found
jet, flying fish. Sat down
all day at the station thinking
of home like it would
make you like.

Ther.

WED. NOV. 21, 1894

Wea.

Came on deck at 3 and found it very cold came below at 1-12 wheel 1/2 - at 3-45 we got a large forecastle fire was to the N.E. but is pleasant now not very heavy and well.

Ther.

THURSDAY 22

Wea.

Came on deck at 3 and found it very cold below at 12-4 fire was burning some logs were used to make up the fire.

Ther.

FRIDAY 23

Wea.

Came on deck at 3 and went below till 5. broke out coal camp on deck at 10-11 am deck at 4 and fueled ship at 7. it is calm and very warm.

Ther.

SAT. Nov. 24, 1894

Wea.

Learned on deck at noon
and went ashore. The
wind was strong and
the ship was rolling. We
did not go far.
Wind N.E. - 10 to
15 knots.

Ther.

SUNDAY 25

Wea.

Spent most of the day
ashore at 7:00 a.m.
I took a walk and saw
several birds. Some
were shore birds. Some
were land birds. Some
were sea birds.

Ther.

MONDAY 26

Wea.

Learned on deck at
noon and went ashore
at 2:00 p.m. A gale
struck us about 4
o'clock and we found it
too bad. Learned a
little more.

Ther.

TUES. Nov. 27, 1894

Wea.

Came on deck at 3 and
saw a few sail had 10
on 5-7 came on deck
at 6 and got my
kit and found my
and my clothes a little
~~soaked~~

Ther.

WEDNESDAY 28

Wea.

Came on deck at 8
and took advice of
skipper & went down
the captain in heel 10-10
for a few days but a
gale sprung up

Ther.

THURSDAY 29

Wea.

Came on deck at 3 and
saw a few sail had 10
on 5-7 for 5 hours -
giving dinner we had
candy, soup, wheel 2-
4 caught 2 grouse

Ther.

FRI. Nov. 30, 1894

Wea.

bare foot deck at seven
and felt the rope by
the process after the
pitch had set some
more easily. We are
having great difficulty
removing

Ther.

SATURDAY, DEC. 1

Wea.

bare foot deck at 3
and went to the shore
at 5 o'clock and took
the main top sail
wash off, then
laid on deck till 10
Second sick

Ther.

SUNDAY 2

Wea.

bare foot deck at
7 and took it a half
gale. I had 10-12
bars, the deck
was so cold and
we had to go up
more sick

Ther.

MON: DEC. 3, 1894

Wea.

Spent most of the day
in the office at the
station and at the
wheel from 6 to 7
Home sick

Ther.

TUESDAY 4

Wea.

Left my office at 6 AM
and took a walk around
the city at 10 AM after
which I had a good
walk around the city
again at 2 PM

Ther.

WEDNESDAY 5

Wea.

Spent the afternoon
at the station and
had a walk around
the city at 10 AM
before dinner and
then again in the

Ther.

THURS. DEC. 6, 1894

Wea.

Leave on deck at 7 am
Cloudy & wet. Wind
from SSW. 10 m.
Sea very rough
and choppy.

Ther.

FRIDAY 7

Wea.

Leave on deck at 7 am
Cloudy & wet. Wind
from SSW. 10 m.
Sea very rough
and choppy.

Ther.

SATURDAY 8

Wea.

Leave on deck at 7 am
Cloudy & wet. Wind
from SSW. 10 m.
Sea very rough
and choppy.

Ther.

SUN. DEC. 9, 1894

Wea.

Came on deck at 3
and left the ship
at 5-7. Went down at 7pm.
We have got a fine
dead calm. Some
of the crew have got sick
but I have not yet.

Ther.

MONDAY 10

Wea.

Came on deck at 3 am
and left the ship
until 12. Then
deck again and a back
on the quarter. It is
good. Fair wind.

Ther.

TUESDAY 11

Wea.

Came on deck at 3 am
5-7. Went down at 7pm.
We have got a fine
dead calm. Some
of the crew have got sick
but I have not yet.

Ther.

WED. DEC. 12, 1894

Wea.

Leave on deck at 7 a.m.
and it's cold at first.
It was fine by noon
but there was a wind
that did not go away.
Stayed on main deck
at 10 o'clock 46°

Ther.

THURSDAY 13

Wea.

Came on deck at three
in the night. Saw a fox
cub about two. I
saw cub every now
and then, seven o'clock I
went

Ther.

FRIDAY 14

Wea.

Leave on deck at 7 a.m.
out sugar, meat and
rice. Saw three seals
today. It is a fine
day but very cold.
Stayed on main deck
most of the day.

Ther.

SAT. DEC. 15, 1894

Wea.

Came on deck at 3
and went to wash 5.7
wash about seven pieces
of clothes. It is quite
weather calm and very
warm. Course N.E.

Ther.

SUNDAY 16

Wea.

Came on deck at seven
and washing few pieces
for clothes. We had fine
weather cool and warm.
Saw two seals from
steamer far away off S.W.

Ther.

MONDAY 17

Wea.

Came on deck at 3
dropped out of water and
went down at seven or
eight at 12 five days back
80° by N. Wind 6-7
swelling waves off
Shantung.

Ther.

TUES. DEC. 18, 1894

Wea.

Came on deck at
dawn and saw a
large whale after which
we took no more +
saw none until day saw
a lot of whale feed.

Ther.

WEDNESDAY 19

Wea.

Came on deck at 3 am
had whale till 5 ft face
saw a whale but did
not get a look at him
He see plenty of his
back broken back.

Ther.

THURSDAY 20

Wea.

Came on deck at 7 and
dropped anchor 100 fms
saw a large four mooth back
and plenty of fin
back it is a beautif
dark brown and calv
in Duck Rock -

Ther.

FRI. DEC. 21, 1894

Wea.

Came on deck at 8 a.m.
found a fair wind
It is a bunch of close
waves and not much
wind blowing. By half
half west also of fore-
noon.

Ther.

SATURDAY 22

Wea.

Leaving on deck at 7 a.m.
wash down clothes
and at eight we saw
a sperm whale about
but he went down fast
and did not get it.

4-6

Ther.

SUNDAY 23

Wea.

- Got up at 3 and read
out of my bible until
below at 4 up at 10 am
some of my books
have a heel 6-7 I have
fine reading room
West by North N.E. 5

Ther.

MON. DEC. 24, 1894

Wea.

Second we drove at seven
and three miles and
three-quarters of an
hour we got all packed
and loaded and were

Ther.

TUESDAY 25

Wea.

Ther.

WEDNESDAY 26

Wea.

came on deck at 6.30
and the dogs do not
go outside after us.
The gulls are
abundant and
in company 5-60

Ther. THURS. DEC. 27, 1894 Wea.

Spent the day at
and went to work
at 10 AM and got ab
out of work
in time to

Ther. FRIDAY 28 Wea.

Spent all day
at work. Came
away at 4 PM and
spent time at
the dock and

Ther. SATURDAY 29 Wea.

Came on deck at 3
much money on account
of the dock at 12
we had 4 men on
away from work

Ther.

SUN, DEC. 30, 1894

Wea.

Began my week at the
good wash from which I
have done well and
have got a few more. At
one time I had 1000
cows in the wash and
~~about 1000~~

Ther.

MONDAY 31

Wea.

Spent the day at the
wash and the water was
so hot that it was hard
to get any animals through
it. I have now got
all the cattle washed

June 1 - 1894 -
came down and
left you from
but found them all
most dead except
one or two and
the dogs.

MEMORANDA

must be so
forwardly in a
field like this.

At home I sit now. I
am going to work on the
60 degree section of the
limestone for the first

I lack wonder and
and a sense of mystery.

I expect a project
done by
December.

MEMORANDA

July 1894
Atmospheric heat
water vapor
cloudiness
wind
pressure
temperature
relative humidity

July 1st 1894
Wind blowing at 10-20 m.
Cloudy but no rain
The wind goes northward
Dinner - 10:30 a.m.
Dinner - 12:30 p.m.
Very cold after dinner
Cloudy and rain

July 1894
Cloudy and rain
wind blowing
Cloudy and rain
Very cold after dinner
Cloudy and rain

MEMORANDA

July 21 - 1934
We are hoping for
a good day and
are looking forward to
Hiles - 21 1934
and hope to see the
same kind of day
as today before we get the
photographs.

July 22 - 1934
Cloudy and very
red after sunrise - 2

MEMORANDA

Feb - from 1-1985
Spent day at beach with
friends. Went to pier
and took boat for
a while. Had a nice
time and we all
left.

Wed - from 2-1985
Rained all day which
kept us from our collect
activities and we just
stayed home. A few
of us went to the beach

MEMORANDA

Aug. 6, 1895
On deck at 6 a.m. at sea -
wind SW. 10 m.p.h. sun 1.
At 3 p.m. we have had a
crossing up hill and we are
in sight of the land. We are
not yet breaking water.

July 18, 1895
On deck at 7 a.m. we left
every ship we could see
and I flagged it down to the
latter. We have got now
I see a long oar balanced
off when I take my day.

Aug. 18, 1895
Left the dock at 7 a.m.
had no wind up speed
up until noon. Deck
about 3 p.m. a large gull
flew over us. At
noon 9. I held my
hand like a sail.

MEMORANDA

On Tuesday evening June 26 1895
I called at the office of Mr. Wm. H. Allen
and told him I had a bill of exchange
for £1000 drawn by the Bank of
England on the Bank of America
in New York, and asked him if he would
cash it for me. He said he would,
but asked if I wanted to pay him
any commission. I said no, and he
told me to call again.

Wednesday June 27 1895

Called on Mr. Allen

He cashed my bill of exchange
and gave me £1000 in gold.
I paid him £10 commission.

MEMORANDA

I. Brown
May 25
8-10 minutes to get out
one box of eggs
small white
cavities
evident
from 3rd
year
when the
eggs
begin to
hatch
the males
are
to make away with
the young
eggs
Brown
May 25 I. Brown
Aug. 26 1873

CASH ACCOUNT. JANUARY.

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CASH ACCOUNT. JANUARY.

| Date. | Received. | Paid. |
|--|-----------|-------|
| 10 - Up on deck at 1- was the deck and cleaned had a rest at 4-30 the case on deck and at 5-30 had the fire from a small head. 5m 1-8 | | |
| 11 - Came on deck and was most ready cleaned up the bulwarks. 1-0 Then we got ready for Shipping went up to the head at 1-30 5-6 | | |
| 12 - Came on deck at 1-0 and stored down 60 odd barrels of oil got through at 10-30 and went to the wheel until 12-30 while the rest cleaned the deck up and turned out 4-6 barrels. 1- | | |

CASH ACCOUNT. FEBRUARY.

Date.

Received.

Paid.

| | | |
|--|--|--|
| February 13 - 1874 | | |
| To light oil at 7-3/4 a gal at 1500 | | |
| Spent a few days shopping with Collier down town and paid for the fare etc on several trips out at 2000 900 and the rest of the time travelled by train etc | | |
| Spent the day in a house boat | | |

CASH ACCOUNT. FEBRUARY.

| Date. | Received. | Paid. |
|-------|-----------|-------|
| 1st | | |
| 2nd | | |
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| 31st | | |

CASH ACCOUNT. MARCH.

| Date. | Received. | Paid. |
|--|-----------|-------|
| January 4. 1895. | | |
| To night the snow was covered with drifts below and told people to go up great care should be taken while walking from one place over to the other and said we had to go up hill and down hill but we will get home and I will tell Mr. F. he will have no trouble for it. | | |
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CASH ACCOUNT. MARCH.

| Date. | Received. | Paid. |
|--|-----------|-------|
| January 10. 1895 We have no school & so took of small whale we could get & gave to Captain Ladd & his wife & children to eat. | | |
| June 23. 1895 Leyden Pattern & Company two barrels of oil | | |
| July 7. We saw a sperm whale but as they were going to go down we did not get them. | | |

CASH ACCOUNT. APRIL.

| Date. | Received. | Paid. |
|--|-----------|-------|
| Feb. 10 - 1893 - last night of dry spell & hard dried last night & being sick about two days | 1893 - | |
| Feb. 13 - 1893 Pain, especially pit 2.45 an hour from and ended at the same time with it in stomach. Then the chill going away. | | |
| Jan. 7 - 1893 Pain had up in the a stomach & went away it's all gone up so far not now. | | |

CASH ACCOUNT.

APRIL.

| Date. | Received. | Paid. |
|-----------|-----------|-------|
| June 24th | \$100.00 | |
| July 1st | | |
| July 2nd | | |
| July 3rd | | |
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| July 26th | | |
| July 27th | | |
| July 28th | | |
| July 29th | | |
| July 30th | | |
| July 31st | | |

CASH ACCOUNT.

MAY.

| Date. | Received. | Paid. |
|----------|-----------|-------|
| 6/26/76 | | |
| 7/1/76 | | |
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CASH ACCOUNT.

MAY.

| Date. | Received. | Paid. |
|---------|-----------|-------|
| 5/4/00 | 5.6 | |
| 5/7/00 | | |
| 5/9/00 | 1.25 | |
| 5/11/00 | 9.10 | |
| | 2.0 | 9.0 |
| | 3.0 | 1.50 |
| | 2.60 | 2.50 |
| | 3.80 | 1.00 |
| | | 2.50 |
| | | 16.00 |
| 5/14/00 | | |
| 5/15/00 | | |

CASH ACCOUNT. JUNE.

| Date. | Received. | Paid. |
|-------|-----------|-------|
|-------|-----------|-------|

CASH ACCOUNT. JUNE.

CASH ACCOUNT. JULY.

CASH ACCOUNT. JULY.

| Date. | Received. | Paid. |
|---|-----------|-------|
| Lat. Latitude | | |
| P. & Polar Elect. and | | |
| N. S. Half Sun | | |
| Ream. Remained for | | |
| Adj. Adjustment | | |
| U. S. Mean Time | | |
| Eg. T. Eighteen Time | | |
| Had going around one hour about 10 miles off shore in Lat 35° N. It was the beginning of a foggy day these men had been at sea carrying out observations of the polar star. | | |

CASH ACCOUNT. AUGUST.

CASH ACCOUNT. AUGUST.

| Date. | Received. | Paid. |
|----------|-----------|-------|
| Aug 1st | \$ 1.00 | |
| Aug 2nd | | |
| Aug 3rd | | |
| Aug 4th | | |
| Aug 5th | | |
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| Aug 7th | | |
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| Aug 31st | | |

CASH ACCOUNT. SEPTEMBER.

CASH ACCOUNT. SEPTEMBER.

| Date. | Received. | Paid. |
|---------------|-----------|-------|
| 260 | 100 | 139 |
| | 200 | |
| | 100 | |
| | 100 | |
| 200 | 20 | 100 |
| 600 | 28 | 100 |
| 60 | 15 | 100 |
| 300 | 11 | 100 |
| Lying out 400 | 26 | 100 |
| | 92 | " |

CASH ACCOUNT. OCTOBER.

CASH ACCOUNT. OCTOBER.

CASH ACCOUNT. NOVEMBER.

| Date. | Received. | Paid. |
|--|-----------|-------|
| Sun Sept 10th 1840 Brought in the outgoings of a body and at the same time paid out for the Captains wife and her children and other expenses out below money | | |

BILLS PAYABLE. JANUARY.

| Date. | NAME. | | Dolls. | Cts. |
|-------|-----------------------|--|--------|------|
| | Bill Amie K. New York | | | |

RECEIVABLE.

Sept 13 - 95 Seen
22 hours and only got six

BILLS PAYABLE. FEBRUARY.

| Date. | Name. | Dollars. | Cts. |
|-------|-------------|----------|------|
| 5 | 47135 | 49 | 12 |
| 6 | 2893 | 48 | 3 |
| 7 | 54 M. P. 37 | 67 | 07 |
| 8 | 2133 | 66 | 93 |
| 9 | 4111 | 47 | 53 |
| 10 | 10 | 75 | 06 |
| 11 | 34.15 | 49 | 43 |
| 12 | 8932 | 37 | 43 |
| 13 | RECEIVABLE | 23 | 03 |
| 14 | 8932 | 23 | 03 |
| 15 | 37 | 3 | 56 |
| 16 | 388 | 3 | 56 |
| 17 | 3624 | 37 | 71 |
| 18 | 77 | 17 | 71 |

BILLS PAYABLE. MARCH.

BILLS PAYABLE. APRIL.

| Date. | Name. | Dolls. | Cts. |
|-------|--------------------------|--------|------|
| | 18- | 1895- | |
| | 29- 30 | | |
| | May 5 1895 | | |
| | June 30 - 31 | | |
| | Tuesday November 1895 | | |
| | at 11-10 | | |
| | Feb 19 1895 | | |
| | RECEIVABLE. | | |
| | Feb 19 1895 | | |
| | May 30 1895 | | |
| | June 18 1895 | | |
| | 35.51 | | |
| | July 7 1895 | | |
| | 31.52 | | |
| | June 19 1895 | | |
| | 36.10 | | |
| | July 19 | | |

BILLS PAYABLE. MAY.

| Date. | NAME. | Dolls. | Cts. |
|--------|--------------|--------|------|
| | July 26 1895 | | |
| | Lat 36-27 N | | |
| | Long 41-33 W | | |
| | July 26 1895 | | |
| | Lat 36-25 N | | |
| | Long 41-30 W | | |
| | July 27 1895 | | |
| | Lat 36-25 N | | |
| | Long 41-27 W | | |
| | July 28 1895 | | |
| | RECEIVABLE. | | |
| | July 29 1895 | | |
| | Lat 37-07 N | | |
| | Long 40-24 W | | |
| | July 30 1895 | | |
| | Lat 37-07 N | | |
| | Long 40-24 W | | |
| July 4 | 32.50 M | | |
| | 52.01 M | | |

BILLS PAYABLE. JUNE.

BILLS PAYABLE. JULY.

BILLS PAYABLE. AUGUST.

Date.

NAME.

Dolls.

Ct

Sept 24 1895

W. M. Westcott
10 days for New England
Co. to receive payment of
check for wool and
yarn paid ready
Sept 25 1895

Good bales
we are sending you
at the earliest opportunity
RECEIVED. W. M. Westcott

BILLS PAYABLE. **NOVEMBER.**

BILLS PAYABLE. DECEMBER.

| Date. | Name. | Dollars. | Cts. |
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11/18
26
70

RECEIVABLE.

MEMORANDA.

| Date: | | Dolls. | Cts. |
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| 13/10/00 | | 3 | |
| 15/10/00 | | 2 | |
| 16/10/00 | | 1.5 | |
| 17/10/00 | 322 | | |
| 18/10/00 | 20 | 5.87 | 0 |
| 19/10/00 | 3 | | |
| 20/10/00 | 11 | | |
| 21/10/00 | 66 | | |
| 22/10/00 | 50 | | |
| 23/10/00 | 14.5 | | |
| 24/10/00 | 5.7 | | |
| 25/10/00 | 321 | | |

MEMORANDA.

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ADDRESSES.

NAME.

STREET, No.

CITY.

ADDRESSES.

Concord, N.H. Oct. 10, 1860

NAME.

STREET, No.

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ADDRESSES.

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STREET, No.

CITY.

ADDRESSES.

NAME.

James B. Smith

STREET, No.

12, Somerby

CITY.

Highfield Mass

NAME.

William G. Clark

STREET, No.

1, Court St

CITY.

New Bedford

NAME.

Lucy Murray

STREET, No.

5, First St.

CITY.

New Bedford

NAME.

Richard Murray

STREET, No.

183 Princeton St

CITY.

E. Boston Mass

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

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NAME.

STREET, No.

CITY.

ADDRESSES.

NAME. *Hannah A. S. Ward*

STREET, No. *Bay St., St. John's*

CITY. *St. John's, Newfoundland*

NAME. *Suzanne Lewis*

STREET, No. *5th St., Central*

CITY. *Port of Spain, Barbados*

NAME.

STREET, No.

CITY.

ADDRESSES.

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STREET, No.

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ADDRESSES.

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CALLS.

Rec'd.

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Returned.

6
CALLS.

CALLS.

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494

~~Periodicals~~

CALLS.

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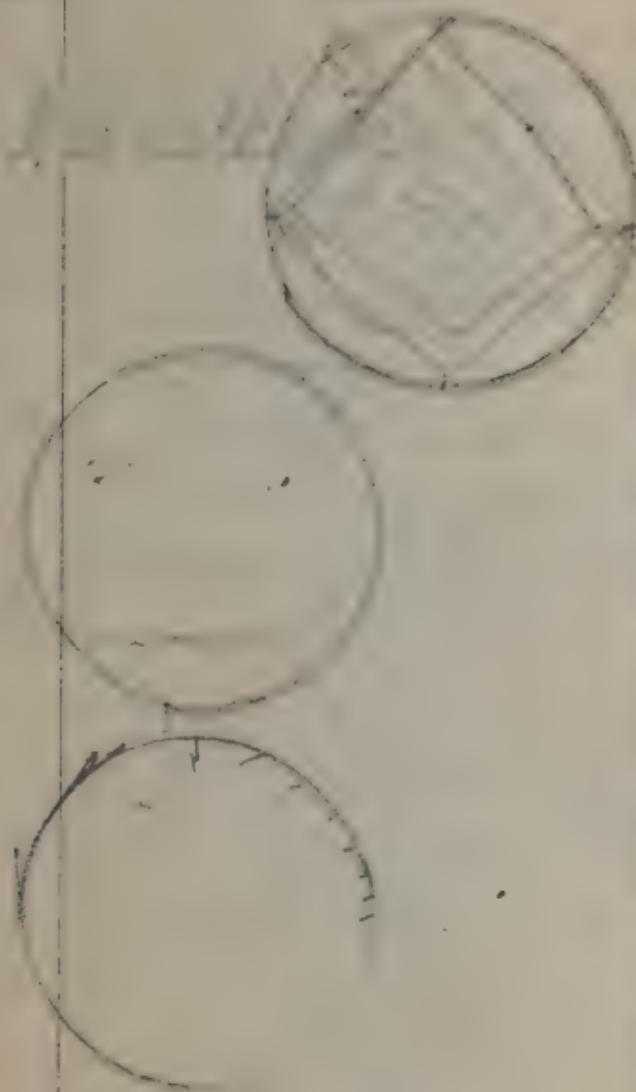


C A L L S.

Rec'd.

N A M E.

R e t u r n e d .



Leeds University Library
Reference Department

CALLS.

26

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| | 199581 13 | 2410 |
| | <u>570</u> | |
| | <u>18</u> | |
| | 298 95 | 1110 |
| | 991 13 a Spider who lives in a hole in a tree | |
| | 260 | 15 |
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| | 720 34 | |
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| | <u>9</u> | |

95

LETTERS.

Rec'd.

NAME.

Answered.

~~Letter to Mr. John H. C. Linnell~~

15

~~Letter to Mr. George Linnell~~

1-

~~Letter to Mr. George Linnell~~

1-

~~Letter to Mr. George Linnell~~

2-

~~Letter to Mr. George Linnell~~

1-

~~Letter to Mr. John H. C. Linnell~~

1-

~~19/15 M~~

3

LETTERS.

LETTERS.

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| | Greenport Long Island N.Y. | Boston Baby |
| | Portugal | BOSTON |
| | " | Port Agua |
| | America | Boston |
| | Portugal | London |
| | Yan | Paris |
| | 1891 - 1895 | |

LETTERS.

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|--------|-------------|-----------|
| 97 | J. Barville | |
| | On May 1894 | |
| | Aug 1894 | 240 C |
| | May 1895 | 295 A |
| | | 877 |
| | 799 | 360 |
| | 88 | 395 |
| | | 194 |
| | 799 | 44 |
| | | 95 |
| | 799 | 100 |
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| | 8799 | 30 |
| | | 3 |
| | 115 | 170 |
| | 39 | 84914 |
| | 2499 | 760 |
| | | 89 |
| | 472 | 14 |
| | | 50 |

Letters sent at sea

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| | 53 0 | |
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LETTERS.

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| | 240 | 139 |
| | 620 | 139 |
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LETTERS.

Rec'd.

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8185(7)

Oct 10 38

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75 470.00 50
3. 475. 9.50 3

14.50 25
15

[IN MEMORY]
UTHBERT—In loving memory of our dear mother, ¹⁸⁴⁵ Jane Cutlibert, who died December 4th, 1893, in her 47th year, late of 26, Morland-street.

You are not forgotten, mother dear,
Nor ever shall you be;

As long as life and memory lasts
We shall remember thee.

GORLEY—In sad but affectionate memory of Philip Stanley (Little Stanley), the beloved son of William and M. E. Gourley, who departed this life Dec. 4, 1894, at 168, Stanley-road, aged 13 months.

The little crib is empty now,
The little clothes laid by;
A mother's hope, a father's joy,
In death's cold arm doth lie.

JONES—In loving memory of Nellie, eldest daughter of H. and E. Jones, Ffynnongroew-road, Rhyl, who died 2d December, 1895, at Leeds, aged 24 years.

Peace, perfect peace, in this dark world of sin,
The blood of Jesus whispers peace within,
Sleep on, dear Nellie, sleep, and take thy rest,
We loved thee once, but Jesus loved thee best.
[H. L. JONES.]

O'BRIEN—In affectionate remembrance of our dear parents, Daniel and Margaret O'Brien, who departed this life on Dec. 5th and 28th, 1894, respectively. [Gone, but not for one brief moment forgotten.]

WRIGHT—In loving memory of James Herbert, aged 3 years and 7 months, who died December 5th, 1895; also of Louisa Emma, who died December 11th, 1895, of pneumonia, the beloved children of Alfred and Louisa Wright, 21, Ballington-street. [For ever with their Saviour.]

251 bags Bahia and 13 bags Savanilla sold 93/-
101 barrels Jamaica sold—fair to good ordinary
69/6 to 77/- ; 14 bags East Indian sold 74/6. Futures
stronger. Santos—March sold 48/9 to 49/9 and
49/6 per cwt. Receipts in Rio 9,000 bags ; Santos
26,000 bags. Exchange 8*1*/₂d.

TEA.—The market closed quietly with prices
easy, and privately business passing is quite un-
important. Terminals quiet.

RICE market continues in a dull state.
JUTE market steady with a quiet tone ; 1,500
bales, first native marks, December-January
steamer, London, sold at £13 15/ per ton c. f. & i.

HEMP.—Manila dull. Fair current December-
January £18 per ton c. f. and i. sellers.

SHELLAC.—Market quiet ; 500 chests TN
for February and May deliveries sold at 80/ per
cwt.

OILS.—Cod £18 per tun; linseed 15/3 to 15/10*1*/₂;
English brown rape 27/; crude cotton 13/3, refined
15/3 to 16/, according to make and package.

TURPENTINE.—American Spirits 20/3 per
cwt.

PETROLEUM.—American 5*1*/₂d to 5*2*/₁₆d ;
Russian 5*1*/₆d per gallon on the spot.

LONDON PRODUCE CLEARING-HOUSE,
LIMITED.

RIO
COFFEE.

10 30 2 30
a.m. p.m.

88°
SUGAR.

11 2 50
a.m. p.m.

TEA

CHINA INDIA.

SILVER

3
p.m.
Spot.

3.60 3 1/4 1.20

1000 4
Dent house Aug 1
94,235 barrel 193

Bill of Freight

130
Stew apple 1 40
15 bushels 9 1 96
Bacon smoke 180
Pie 90 1 5 47 1/2
Tin 100 95 47 1/2
Soft Bread 47 1/2
Ginger Bread 47 1/2
Sauerkraut 10 1/2
Pil 47 1/2
47 1/2 18 1/2
47 1/2 10 1/2
47 1/2

